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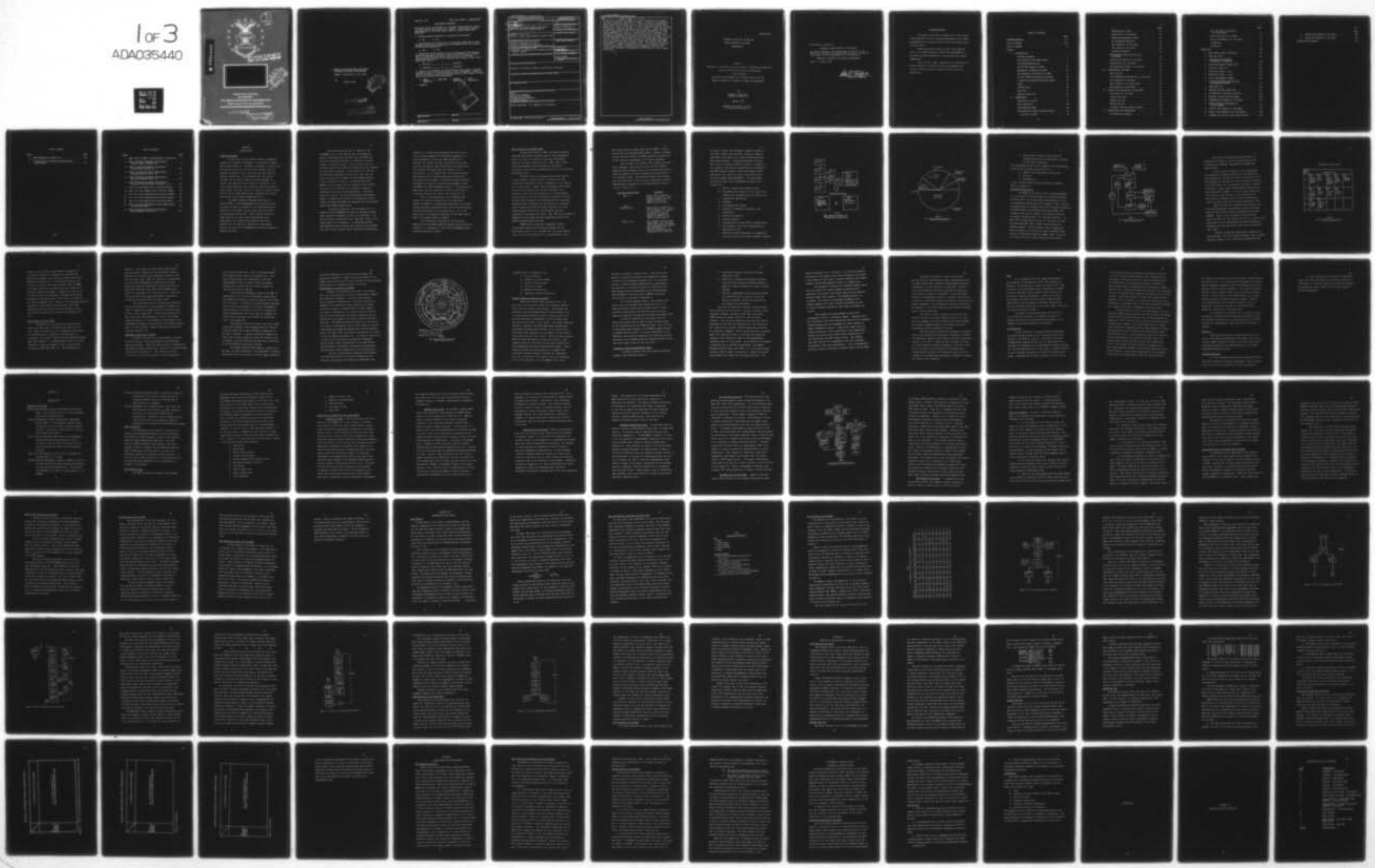

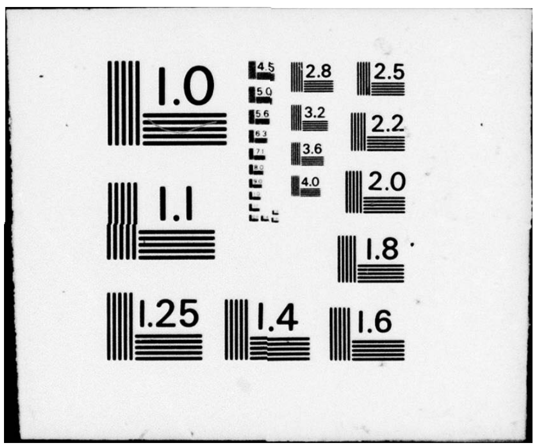
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A PROGRAM ALLOCATION MODEL FOR DEPOT PURCHASED EQUIPMENT MAINTENANCE

Graham C. Milborrow, Sq Ldr, RAF

SLSR 52-75B

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Resource management system

Within the framework of ~~RMS~~, the Air Force operates the Depot Purchased Equipment Maintenance (DPEM). DPEM is the management process whereby customers of the Depot Maintenance Industrial Fund (DMIF) obtain funds and use them to buy maintenance effort. Managerial control by HQ AFLC over the demand by ALCs for funding is primarily through biannual on-site reviews. These five man review teams sample check DPEM requirements generated by Item/System managers in order to validate the bid for funding. The validation process currently uses historic data and arbitrary percentage weightings in achieving an equitable funding. In order to both increase the rationality of the process and reduce the cost of review, a study was conducted to investigate the feasibility of constructing a computer model which would fund DPEM requirements to pre set decision rules. The decision rules will be based on a mission essentiality priority ranking for major items, subjectively constructed by management, and an item criticality ranking of Exchangeable items based on their supply positions.

SLSR 52-75B

A PROGRAM ALLOCATION MODEL FOR DEPOT PURCHASED EQUIPMENT MAINTENANCE

A Thesis

Presented to the Faculty of the School of Systems and Logistics

of the Air Force Institute of Technology

Air University

In Partial Fulfillment of the Requirements for the

Degree of Master of Science in Logistics Management

By

Graham C. Milborrow
Squadron Leader RAF

August 1975

This thesis, written by

Squadron Leader Graham C. Milborrow

has been accepted by the undersigned on behalf of the faculty of the School of Systems and Logistics in partial fulfillment of the requirements for the degree of

MASTER OF SCIENCE IN LOGISTICS MANAGEMENT

DATE: 13 August 1975

Richard T. Taliaferro

COMMITTEE CHAIRMAN

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TABLE OF CONTENTS

Page

LIST OF TABLES

LIST OF FIGURES

CHAPTER 1

INTRODUCTION

Problem Statement

At the heart of the modern financial management system of the Federal Government is the Resource Management System (RMS) (1). The RMS is designed to ensure that the nation's needs are met with both monetary and non-monetary resources to the most efficient and effective extent possible (1). In consonance with the aims of the RMS, the Air Force operates systems designed to control and apportion its own share of resources. One such system translates into financial terms the maintenance repair functions of the Air Logistics Centers (ALCs) and the use of these functions by customers both inside and outside the Air Force organization (1).

The Depot Purchased Equipment Maintenance System (DPEM), is the management process which governs the means by which a customer of the Depot Maintenance Industrial Fund (DMIF) obtains funds and uses them to buy maintenance effort (2). Under current Air Force regulations (2:1), anticipated maintenance gross requirements for current and projected years are generated by the ALCs and validated by them against outline criteria set by Headquarters Air Force Logistics Command (HQ AFLC).

From interviews with Mr. G. Hurwood of HQ AFLC/MMRER (3), it was learned that the managerial control now exercised by HQ AFLC over the demand by ALCs for maintenance funding is, primarily, through biannual 'on-site' reviews. This involves a four or five-man team from HQ AFLC who review and ratify requests for maintenance funding. As was stated in a 1974 HQ AFLC Material Management review (4:3), the time constraint allows only a sample of the funding requests to be considered in detail. Mr. Hurwood (HQ AFLC/MMRER) also confirmed (3) that changes to the program are made after negotiation using mainly historical performance data as decision guidelines. Following from this process, the ratified equipment maintenance budget is submitted by HQ AFLC to Headquarters United States Air Force (HQ USAF) for approval as the projected operational DPEM program (2:4).

It has been observed, and confirmed by Mr. C. Wilhelm of HQ AFLC/MMRER (5), that the process outlined above prevents management visibility by HQ AFLC of the ALC validation process and thus, logically, there is no total check of its integrity. As mentioned earlier, the biannual on-site reviews now carried out by HQ AFLC are able to only 'sample check' maintenance workloading

requests in a process which demands the time of four or five senior managers (Colonel/GS-14 grades) on a field assignment of some six weeks duration (6). Finally, the current criteria now being used to rank jobs for funding has been determined, from observation, to be largely undefined and thus suspect in its objectivity. It is evident that, for similar reasons, the reallocation of funding during the execution of the current years budget is achieved through a process of negotiation between the material management branch and MMRER (the DPEM management branch). This negotiation takes place against undefined criteria based both on historical data and the "law of the situation" (3).

Thus, from observation, it is apparent that neither the initial validation of the operational budget for DPEM or its subsequent adjustment is achieved through definable guidelines which can be retrospectively justified absolutely on a rational basis. It is the above aspects of apparent inadequacy in the DPEM system which the research seeks to address.

The information contained in the following exposition of the DPEM system was gleaned from interviews with Mr. G. L. Hurwood (3) (16) of HQ AFLC/MMRER unless otherwise explicitly stated.

<u>The Context of the DPEM System</u>

As mentioned earlier, DPEM, the Depot Purchased Equipment Maintenance program involves those management aspects by which a customer of the Depot Maintenance Service, Air Force Industrial Fund, (DMS, AFIF) determines requirements, obtains financial obligation authority, and provides programming authority for ordering maintenance work.

The DMS, AFIF is a working capital fund used to finance organic ('within house'), interservice, and contractual maintenance which is scheduled to be carried out at depot level. Depot level maintenance work covers those activities which are of such complexity and technical depth that the facilities of a technological repair center at an ALC are required to support the task. The DMS, AFIF operates as a revolving fund by providing working capital, allowing for the recovery of operating costs through the sales of products and services, and establishing a buyer-seller relationship with the customer to facilitate the sales. DMS, AFIF can therefore be regarded as the accounting and budgetting system of the seller of maintenance, the ALC.

DPEM is the counterpart management control system which organizes and obtains funding for the maintenance needs of the customer and thus depot maintenance services are operated on a customer/seller basis.

The working capital budget approved for DPEM is called the Operations Operating Budget (OOB). Figure 1 attempts to put both the AF DMIF, and DPEM systems in perspective of the lifecycle management of Air Force equipment.

The customers of the DMS, AFIF include operating force commands, their mission units, and any defense organizational component which has missions and responsibilities separate from the management and operation of the industrial fund. The operating forces and missions are not restricted to the Air Force organization and the DPEM program delineates the following customer sources by their codes (2:2).

Customer Program Code	Coverage
MFP-7	(Major Force Program 7 Direct Air Force). This program budget supports regular Air Force operations and tasks.
MFP-7 Reimbursement	(Major Force Program 7). This program covers support of non regular Air Force customers who pay the operations operating budget of DPEM for purchase of maintenance.
Direct Cite	This program covers users (Navy, MAC, etc.) who have their own operating budgets for maintenance and pay DMS AFIF directly. These customers are not included in the DPEM OOB.

As Figure 1 shows, the equipment classes included in the DPEM program cover aircraft, missiles, engines, other Major End Items (e.g., Fire Trucks) and Area/ Base manufacturing. A detailed breakdown of these Repair group categories (RGCs) is given at Appendix A. As a guide to the relative proportions of the RGCs in the DPEM program, Figure 2 shows the organic repair funding for each group as well as the proportion of the total budget each represents. The maintenance workload at depot level encompassed by DPEM is as follows (5):

a. Repair, overhaul and rehabilitation
b. Reclamation and removal of the 'save list' items (items designated for reclaim action)
c. Field/Depot manufacture
d. Assembly
e. Processing and storage
f. Combined intermediate and depot level maintenance
g. Analytical overhaul
h. Quality analysis
i. Installation of class IV and V modification
j. 'Kit proofing' - the trial installation of modification kits
k. Modification and maintenance of designated aircraft missile and ground equipment programs

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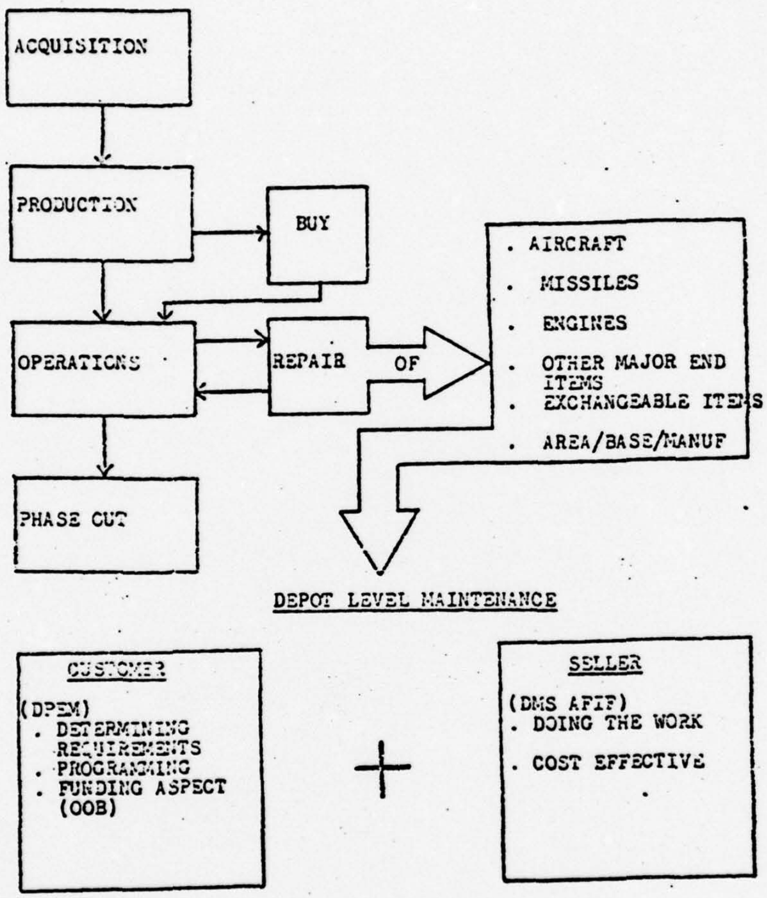


Figure 1

DMS, AFIF And DPEM Item Management Perspective

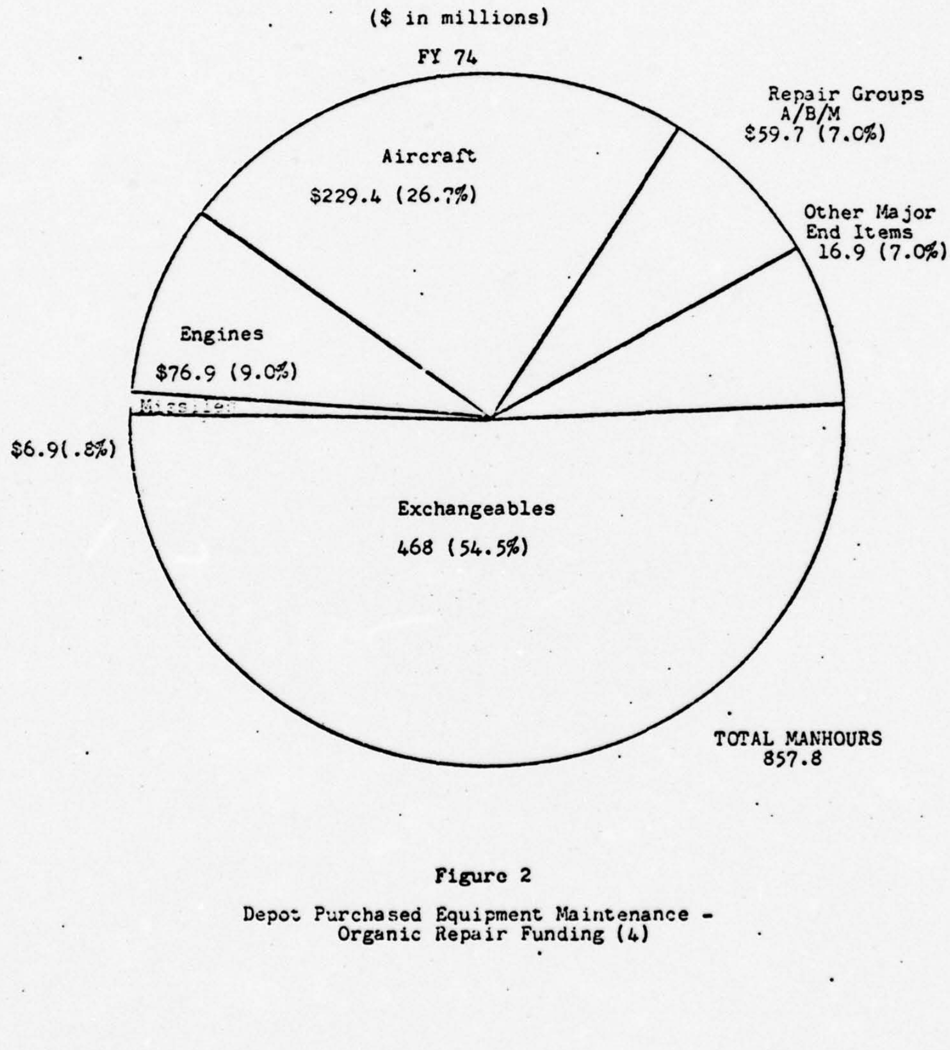


Figure 2

Depot Purchased Equipment Maintenance - Organic Repair Funding (4)

1. Depot and/or contract field teams for accomplishing on-site maintenance in excess of the users capability.

The workloading capacities to support these tasks within natural (and imposed) constraints are:

a. Organic (ALC maintenance facilities)

b. Contract

c. Interservice

A list of Major Weapon Systems supported by DPEM is shown at Appendix B.

The DPEM Funding Cycle

The DPEM Process starts with the system manager or item manager at the Air Logistics Center developing worldwide depot level maintenance requirements for all the management responsibilities assigned to him. Having determined what to purchase within the available resources, the DPEM manager then orders work from the DMS, AFIF through either project orders, for organic workloads, or annual customer orders, for contract workloads. As DMS, AFIF accomplishes the work, it bills the customer who then pays DMS, AFIF, thereby replenishing the working capital. This procedure, shown in graphical form in Figure 3, is the way in which the DPEM system, using its Operations Operating Budget (OOB), functions on a day-to-day basis under financial authorization.

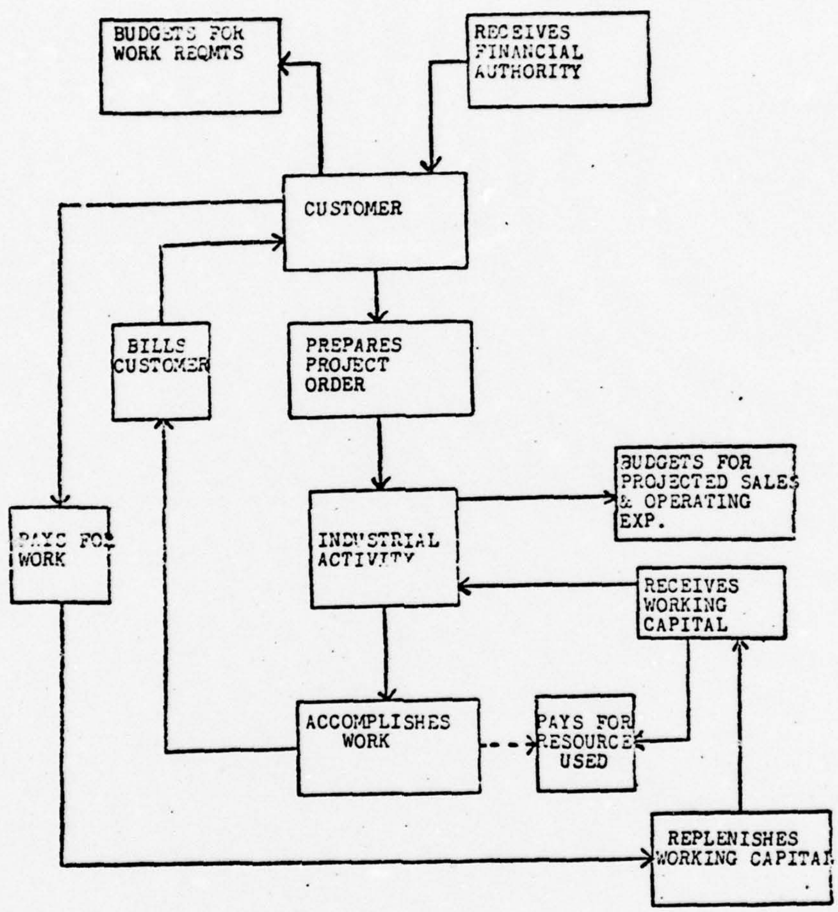


Figure 3

Depot Purchased Equipment Maintenance - System Relationships (4)

The process for gaining funding approval is summarized at Figure 4, and this forms part of what is called the Planning, Programming and Budgeting System (PPBS).

As can be seen in Figure 4, the requirements for maintenance workload generated by the system and item managers at the ALCs are first 'validated' by the ALC organization internally. This process is invisible to HQ AFLC staff, but is designed to provide a primary screening to remove errors and anomalies from the proposed maintenance budget. As well as error detection, the screening takes account of all operational or administrative changes which the ALC staff know are likely to impact upon the projected requirement (2:4).

When the ALCs have completed this process, the projected maintenance requirements for the following year and four further years are submitted to HQ AFLC (MMRER). This is done on manually produced forms (AFLC Form 982) for the current year and, as well as this, tapes from the ALC computerized reporting systems are forwarded covering the current year and four projected 'out' years.

HQ AFLC reviews the requirements submitted on the Forms 982. The major program managers (for Aircraft, Missiles, Engines, etc.) review the computations for

DPEM CUSTOMER OPERATING PROGRAM

RESPONSIBLE ACTIVITY	MANAGEMENT ACTIONS				
ALCs	(1) DETERMINE ORGANIC/ CONTRACT REQUIREMENTS	(2) SUBMIT REQUIREMENTS	(8) PREPARE PROJECT ORDERS AND REIMB CUSTOMER ORDERS	(9) INPUT STATUS REQUEST REPROGRAMMING	(11) EXECUTES PROGRAM REVISIONS
HQ AFLC	(3) VALIDATE AND APPROVE REQUIREMENTS	(4) SUBMITS BUDGET BACK UP	(7) DISTRIBUTE BUDGET AND PROGRAM	(10) DIRECTS PROGRAM REVISIONS	
HQ USAF	(5) DEFENDS BUDGET, OBTAINS FUNDS	(6) DISTRIBUTE BUDGET AND PROGRAM AUTH			

Figure 4

Depot Purchased Equipment Maintenance - Funding Approval Cycle (4)

items of their concern using separate documentation to evaluate information presented on the Forms 982 arrayed as a budget and totalled in terms of man hours and dollars required (5). As mentioned earlier, the criteria applied by the budget control staff of MMRER is largely subjective and based upon data submitted in previous reports and budgets. Changes are approved by the staff based upon knowledge of Programming Guidance information published by the Joint Chiefs of Staff (7) and other management data. However, the weightings given to estimates are only "guesstimates" based upon broad, comparative/trend analyses, and their accuracy cannot be justified to more than a grossly approximate level (5).

The HQ AFLC Aspect of DPEM

The focus of this research is on the actions taken by HQ AFLC staff in response to input from the ALC. Thus the exposition of the organizational aspects of the DPEM action is confined to HQ AFLC and, in particular, the 'buyer' functions of the Material Management (MM) branches. An organizational chart of the MM branches is shown at Appendix C and, as can be seen, the branches MMP, MMW, MMA, etc., are delineated by

function. This means that each branch deals with a major equipment category such as airplanes, engines, missiles, and validates the computations made by ALCs for their own items. MMP, for example, is responsible for the supply management of engines and receives quarterly projected requirement computations from the ALCs (AFLC Form 538) which MMP staff mathematically justify in accordance with regulations (7). This procedure described for engine maintenance requirement validation is repeated for all major items.

The methods now used for computing maintenance projected requirements in each equipment category are shown at Appendix D together with the applicable regulations, where these exist. As well as justifying the ALC projections computationally, HQ AFLC staff apply weighting factors to the planned ALC requirements from knowledge of changes in flying hours, operational deployment, or other relevant change information contained in planning documents (7).

Management Validation of DPEM

Further, revisions to the requirements estimate are made through on-site maintenance review meetings mentioned earlier. These can take the form of "negotiated settlements" where, essentially, conflicts of organizational interest are resolved (7). This analysis is not a criticsm of the parties concerned, but an observation

of the natural behavioral effect of delineating HQ AFLC organizational units by equipment type. This structuring ensures that personnel in each unit understandably tend to support their own product funding only, rather than the overall concept of mission essentiality ranking.

Each material management branch in HQ AFLC is represented at the on-site requirement reviews where each addresses questions directly related to the items of his concern. In addition to these biannual meetings, held in April and November at the ALCs, intermediate 'Reconciliation Conferences' are held in January and July at Headquarters Air Force Logistics Command, to resolve major problems found during the operational life of the budget (8).

Following the HQ AFLC reviews, both local (with interested branches of the Headquarters) and 'on-site' (with ALC staff) the budget estimate is supported by HQ AFLC to HQ USAF. A similar process of negotiation then occurs between formation staffs but normally this is minimal, since HQ USAF have already been represented at the HQ AFLC/ALC maintenance reviews.

The budget proposals and updates, supported by HQ USAF, are then submitted to the Department of Defense from whence they are included in wider budget proposals

eventually forming part of the executive budget and approved by Congress. Figure 5 gives the timing of the budget cycle whilst Annex E shows the form in which funding authorization is ultimately given to the ALCs.

Non-Budgetary Constraints on DPEM

Mention of constraints involved in the system has so far been confined to those of operational changes and financial stringency. To these can be added a third important consideration of resource availability managed by the maintenance (MA) branches of HQ AFLC. Division of repair is broadly that of either Organic (in house), Interservice, or contract with the further proviso that items which are mission essential must be maintained using Organic facilities within established policies. The DPEM procedure recognizes the criticality of resource considerations and in every stage of present workloading and budgeting negotiations, the MA branches advise the impact that maintenance constraints are likely to have on DPEM requirements (5). In terms of objectives, it can be said that whilst the material management function has a total responsibility for establishing the maintenance requirement, the material maintenance function has a total responsibility for satisfying it.

As well as maintenance capability and funding, the following further constraints impinge upon the planning, programming and budgeting arrangements and

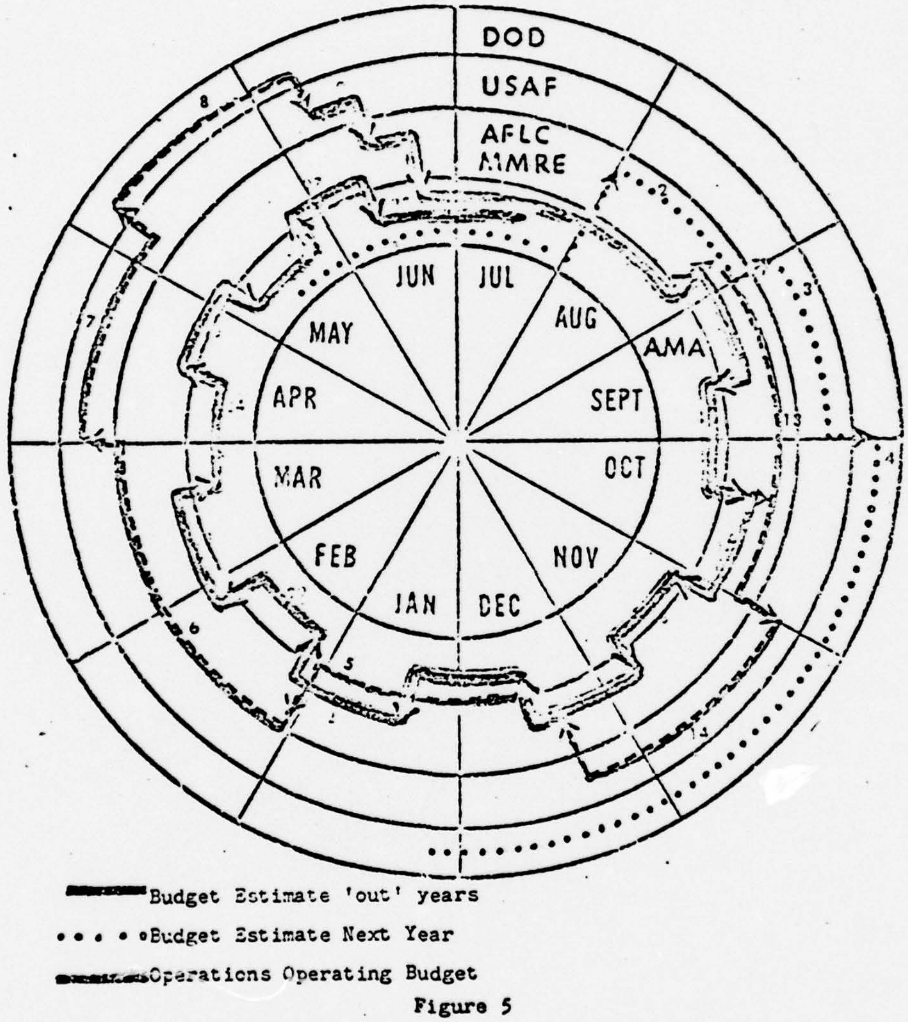


Figure 5

Depot Purchased Equipment Maintenance - Timing of Budget Cycle (4)

therefore must be considered (9).

a. Time constraint

b. Quantity of items needed

c. Rates of effort needed

d. Priority of need

e. Manpower availability

f. Reporting systems limitations.

Current DPEM Data Reporting Systems

Under the current DPEM procedures (2:4), the ALCs have two reporting systems which together embrace their total maintenance workloading. The Systems and Equipment Modification/Maintenance Program (G079) (2:4) is a mechanized reporting system covering aircraft and missile maintenance requirements for the current year and three future years ('out' years). The major reporting system is, however, the Depot Maintenance Program and Long Range Planning System (G072C) (2:4), which covers all repair group categories of equipment for the current fiscal year and five 'out' years. Details of both systems G072C and G079 are shown at Appendices F and G. Both systems operate at ALC level and are used internally by these formations for their administrative needs. Transmission of data from the systems is at present only possible by indirect means to HQ AFLC (by registered mail) (5) and although the products shown at Appendices H and I are available to HQ AFLC/MMRER staff, their

accuracy is subject to question (5). This is due primarily to transmission delays and inadequacies thought to exist in the updating procedures (5). As mentioned earlier, duplicate manual submissions of requirements for funding are currently submitted on AFLC Form 1515 DPEM Organic/Contract Requirements and Program Status (RCS:LOG-MMR(Q) 71105 and used by MMRER; an example of this form is included at Appendix J.

Of the data elements used on the document (for which a key is provided), the Pseudo Code is one of which particular mention must be made since it forms a discrete identification for workload types and thus, logically important for possible automated processing (10).

It must be mentioned at this point that the whole data system used by DPEM is being revolutionized by the introduction of the DPEM data bank. This is to be a centralized bank located on the CREATE computer system at Wright-Patterson AFB. It is the availability of the DPEM data bank which has prompted this study into further automation of the DPEM process and further details of the data bank appear later in this text (10).

A Funding Allocation/Validation Model

In order to address the basic problem mentioned earlier, this research aimed to:

a. Construct a priority system for funding maintenance work.

b. Construct a computerized program using the above priority system to allocate workload against a budget constraint in order of their ranking.

c. Produce a capability in the allocation model for redistribution of funds to allow the impact on workload during the operation of the budget to be addressed.

The task of producing a priority ranking system can be divided into two parts. Firstly, the major items (aircraft, engines, missiles, other Major End Items (OMEIs)) must be ranked according to some rational criteria. The criteria chosen for this task was mission essentiality and since the definition of this concept is not clear for all systems, initial ranking was achieved by subjective judgement. This ranking provided a starting point for testing the model, provisions being made for changes to the ranking by input by the appropriately qualified users of the program. Each ranking level implies a different mix of priority workloading, the highest Program Priority Index Code (PPIC), as it has been called, claiming 100% of repair at priority 1, whilst the lowest code claims total repair at the lowest priority. All

codes in between carry a 'mixture' of priorities gradually decreasing at the higher level and increasing at the lower. A test layout of this code is already loaded on the CREATE computer system and Appendix K shows its composition.

The program to allocate the workload broadly starts with the lowest PPIC codes (highest priorities) and substracts the dollar totals under each from the manually present budget total amount. The program presents, as a product, the details of workloads included in the budget together with their relative priorities as well as those workloads excluded at that level of budget constraint.

The program has been designed to deal with exchangeable items in a different manner. Marginal analysis techniques have been effectively tested on the computer system dealing with the management of items subject to repair (MISTR-D041 system). Using this, items could be ranked according to their essentiality, the computation taking into account the current shelf availability of the item within the USAF supply system. The ranking (and PPIC coding) of exchangeable items will therefore be dependent upon their availability. The 'exchangeables' priority system is therefore a dynamic factor in the model.

Although the ability to rank items on this basis is not yet operationally ready, experimental work has been successfully completed using marginal analysis techniques (11) and test data is available. An overview of the Marginal Analysis techniques as applied in this context is given at Appendix L. Since the availability of exchangeable items is, logically, as critical a factor in operational system availability as the status of larger components, the exchangeable ranking system should be allocated to the PPIC ranking system used by the major items, already described.

The result of this technique will be the integration of major end items (ranked initially by a subjective judgement of mission essentiality) and exchangeable items integrated within this ranking structure (according to their availability level).

The point must be made that the model is intended only to set priorities according to funding and, because of complexity, neglects other system constraints mentioned earlier in the text. Among the most important of these is the maintenance resource constraint. This will still have to be dealt with outside this proposed system (either before or after the ranking process) since the complexity of integrating maintenance variables is beyond the scope of this research.

Scope

It is recognized that one significant danger in this research is the adoption of an 'over-optimistic' baseline. By attempting to mirror too much of the 'real' situation in the preliminary model, difficulties caused by sheer complexity could compound those caused by the more usual 'bounded rationality'. With this in mind, the research has been directed towards constructing a model which, whilst having the potential capacity for all the variables identified in the study, dealt initially with only a fraction of them.

Although the constructed model was tested out on a simplified situation, the research attempts to analyze and define all the variables which must be considered in the final operation of the model.

Justification

If one were first to question the justification for prioritizing funding at all, the answer would seem clearly to be based on utility. If economic resources (congressional appropriations) are so constrained as to preclude the completion of all maintenance workload arising in a fiscal time period (as is the case), it seems sensible to use a rational criterion as a basis for allocation of funds. Assuming that the basic mission of the Air Force

is to preserve national security, the logical criterion to use for system ranking would be the contribution the item makes to the mission or its "mission essentiality". In simple terms, the question which has to be asked is which unserviceable systems would put the mission success most at risk. Having identified these systems, the objective is then to minimize their downtime, and thus the risk to the mission. This addition must obviously be achieved at the expense of other systems in a constrained condition and is analogous, in everyday life, to the rule that routine traffic on a highway gives way to emergency rescue vehicles.

In more practical terms, the justification for this research hinges upon the concept that the process of creating and operating the DPEM budget within the ALCs requires the maximum of visibility and control being exercised by HQ AFLC. Although this concept is not explicitly stated in regulations, HQ AFLC's responsibility for DPEM extends to "taking the necessary action to obtain fully substantiated DPEM requirements" (2:3). This research has made the assumption that the maximization of control and visibility of the process comes within the terms of the above regulations (2:3). The validity of this step can be judged by the past organizational attempt to monitor and maximize control of the process. As has been stated earlier, the organizational need for further fund control has been pursued to

the extent of conducting four major off-base reviews during each fiscal year. It is this effort and expense in terms of senior management manpower, time, and allowances which this research seeks in part to amortise. The research situation does not have to justify itself in the grounds of utility, however, Extra control of the DPEM process is not being centrally gained at further financial expense. Indeed, it is expected that the increased visibility will be gained for a reduction of cost, as the results will, hopefully, demonstrate in the long term.

To summarize, the research can be justified on the assumption of organizationally imposed performance levels. The ultimate intention is to increase control of the DPEM Process at a demonstrably lower cost than is achieved at present.

Objective

The research objective of this study was to construct a mathematical model which will remove the need for on-site budget validation reviews by HQ AFLC staff whilst increasing objectivity and controllability in the DPEM maintenance funding process.

Research Questions

1. Can a predictive model be developed which will rank AFLC maintenance funding requirements, using criteria which can be found acceptable to HQ AFLC management?

2. What characteristics should the predictive model have that will enable it to allocate financial resources in a way which ensures that they are applied to maintenance tasks judged to be the most urgent by HQ AFLC management?

CHAPTER II

METHODOLOGY

Definition of Terms

MARS Model--Marginal Analysis Requirements Simulation Model - uses system DO41 data to rank exchangeable items by 'essentiality'.

Resource Management System--The Resource Management System (RMS) is the management control system through which the Air Force achieves financial control. The center of the system is the Five Year Defense Plan (FYDP).

Depot Purchased Equipment Maintenance--The management process which governs the means by which a customer of the Air Force Industrial Fund obtains funds and uses them to buy maintenance services.

Revolving Fund--Working capital held in suspense and replenished as it is used.

HQ AFLC Material Management Review--A biannual review of proposed Depot maintenance funding requirements at Air Logistics Centers (ALCs). The reviews are designed to validate the requirements to be funded.

Operations Operating Budget (OOB)--An approved operating plan which is the basis of authorization and customer financial control of obligations in the execution of a program.

HQ AFLC Management--The organizational level within HQ AFLC which has the authority to make changes to the major item ranking for DPEM funding unilaterally. Similarly, such an organizational level will be able to autonomously judge the acceptability or otherwise of DPEM prepared budgets.

Data Collection

The background to the research identified the current data systems and products, both the automated form (G072C and G079 systems), as well as the manually produced budget submissions (Form 982). The test model for DPEM validation used neither of the above systems, however. Instead, the new DPEM data bank now under construction (10) was used to test and will ultimately operate the proposed validation method. In view of this, a short exposition of the construction of the bank and some explanation of its contents are thought to be relevant.

The DPEM Data Bank

The DPEM Data Bank is a master file of Depot

Purchased Equipment Maintenance (DPEM) planning and programming data stored on permanent (disk) files on the CREATE computing system located at HQ AFLC (10). The basic purpose of this data bank is to provide source information for statistical studies and for summarizing the results of alternate resource allocation procedures. The DPEM Data Bank is designed to capture and manipulate information currently collected and maintained manually on the AFLC Form 982 mentioned earlier (10). The construction of the data bank is, understandably, complex. In view of this, a more detailed treatment of it has been left to Appendix B which contains a system description extracted from current HQ AFLC documentation (12). Suffice it to say here that the data bank is keyed to the following major data elements:

a. Pseudo Code
b. Fiscal Year
c. Repair Group Category
d. Logistics Sub Program
e. System Standard Model Design Series
f. Workload Breakdown Structure
g. Fund Source
h. AFLC Customer Code
i. OASD Customer Code
j. Total DMIF Rate

k. Organic Contract Code

l. Method of Accomplishment

m. Facility Code

n. ALC Identity Code

o. Draw Code

Developing the DPEM Fund Validation Model

A priority system. During discussion with Mr. G. Hurwood of AFLC/MMRER (3) it was decided to attempt a trial priority system for major items using the pseudo codes of currently operational aircraft as a test population of data. The rationale for this choice was that the division of priority for aircraft systems on a subjectively judged, mission essentiality basis was believed to be the easiest of all the Air Force systems since the operational precedence of aircraft roles seemed to be almost intuitively obvious. Having said that, the point must be made that the dynamic aspect of operational precedence is recognized and therefore any operational priority system linked to the automated DPEM validation must be capable of modification by the user. This modification facility allows consideration by the model of changes in operational policy or conditions which impact upon the mission essentiality of the systems. This can be relatively easily accomplished by designing

the computer program to array the loaded priority order, by pseudo code, for the user and providing him with a computer facility to change or rearrange the ranking as he thinks fit.

Ranking major items The aircraft system pseudo codes were selected in consultation with MMRER using current Air Force Regulations (AFRs) (13:4). AFRs provided a useful reference of the types of aircraft currently in the Air Force inventory together with details of their primary missions. At this point it is admitted that the sole differentiation of aircraft systems is not so clearly and simplistically defined as this. A single aircraft type may have a variety of roles of vastly differing mission essentiality. As well as its primary role, a fighter aircraft may have training, weather observation and even ground demonstration roles. Clearly, this situation gives rise to potentially anomalous ranking of needs. However, from observation (5), the current budget compilation of DPEM allows neither consideration of a formalized priority system, nor the ability to mirror operational changes in maintenance needs in the budget process. Thus, even the level of approximation to which the priority system is designed to work represents a significant improvement over the current method which

does not formally identify even a ranking (2:2). Conceptually, the situation of operationally changing needs is highly multivariate. Conceivably, each individual workload has a unique priority. The absolute ranking of such a priority could, if humanly possible, only be achieved by a single individual using a single value judgment system. The "non-singularity" of priority judgment is a large behavioral obstacle which will be discussed as part of the model validation process later in the text.

Sensitivity of the model Whatever inadequacies there may be in subjectively defining priority ranking. of workload types, it is felt that the relatively inflexible nature of the budgetary and maintenance processes makes some form of approximation desirable. For example, it would obviously be impractical from the basis of practical managerial responsibility, to keep changing a material managers approved funding on a daily basis since he could never rely on such a figure for planning purposes, even in the shortest of time frames. Similarly, it would be impractical to stop a maintenance task half-completed in favor of starting another job whose precedence had recently exceeded that of the job undergoing

repair. The question as to how much sensitivity the model should have to the real-world changes is a difficult one therefore. The degree of model sensitivity is believed to be a question best tested in practice by running the model and comparing the results against similar data which had been subjected to the current "manual" budgeting DPEM system. This idea will be expanded in greater detail later in the text.

Ranking exchangeable items. It was hoped that the priority ranking of exchangeable items would, as meantioned earlier, be achieved using the marginal analysis basis described (Appendix L). HQ AFLC/MMRRS confirmed (11) that a test tape existed of exchangeable items which are ranked using the MARS model (Marginal Analysis Requirements Simulation). This provides an output to the HQ AFLC D073 computer system (Management of Items Subject to Repair). As with the DPEM data bank, the marginal analysis system is not operational at present but experimental data was said to be available on tape to allow the exchangeable items, ranked in order of precedence (determined by the marginal analysis techniques described earlier) to be integrated with the major items. Unfortunately, lack of interfacing data elements forced the research to adopt an alternative approach, explained later.

An integrated approach. The philosophy for integrating the exchangeable items through the merging of the same PPIC codes needs explanation. It will have been noted from the construction of the PPIC codes shown at Appendix K, that each code assigns to each item workload a specific mix of priorities. If the budget funding for DPEM is allocated to workload by priority, some workload of items or weapon system may be excluded from the budget since portions of these workloads fall into the lowest priority level. To integrate exchangeable items with major items in PPIC code order means that reimbursable items are allowed to participate in the higher priority 'mixes' along with the major end items of highest operational need (as determined by the subjective ranking mentioned earlier). Although intuitively rational (since an exchangeable items is as capable of causing operational embarrassment as a major malfunction). This 'mixing' is believed to represent a significant improvement in the model over the current 'manual' DPEM budget process. At present, exchangeable items tend to be used as a 'slack variable' at the tail end of the budget (5). Hence, exchangeable items have been treated, for funding purposes, as being of lowest priority.

The mechanics of the model. Figure 6 shows the outline flow diagram for the computer program with which

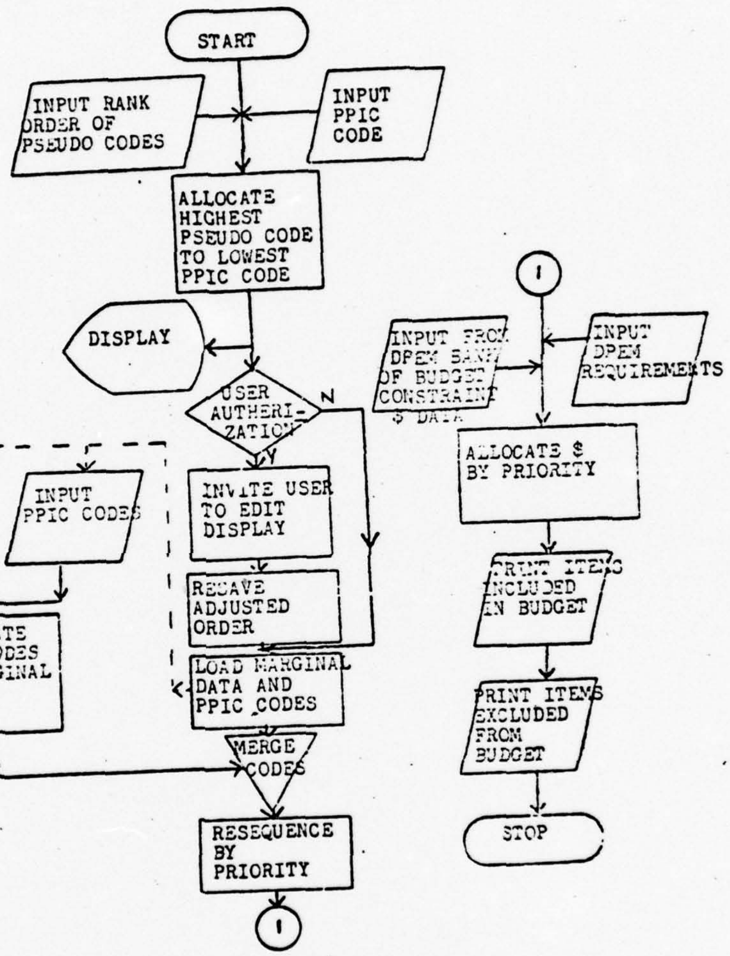


Figure 6

Depot Purchased Equipment Maintenance - Program Allocation Model Flowchart (4)

to validate DPEM budgetary estimates in terms of a preset budget level. Firstly, the program was designed to accept the ranked list of major item Pseudo Codes and allocate PPIC codes to them. This list is displayed for the user to change provided the appropriate authorization check routine is completed. Whether or not changes are made, the program continues by loading ranked exchangeable item data (computed on a criticality basis - Marginal Analysis or other) after allocating PPIC codes to the data. Both PPIC coded lists are then merged. Conflicts will obviously result between workloads of the same PPIC code number but in the interest of simplicity no resolution of this will be attempted. After merger, the new list is resequenced using the combination of priority and PPIC as a key. Finally, the DPEM data is accepted from the bank and ranked to correspond with the 'master' PPIC ranking list of major items and exchangeable items previously developed. The ranked data is then run against the present budgetary constraint or subtotals of it broken down against some predetermined equipment grouping (RGC code). The comparison between data and budget figure has been achieved through a subtractive process using the estimated dollar amounts recorded under each workload item.

The output of the model. On completion of the subtraction process, the computer displays products in priority order by pseudo codes, of both the list of

budgeted workloads and a further listing of those items excluded from the budget. In the operational form of the model these products would be available at each remote output link to the 'CREATE' computer system.

Practical benefits In terms of practical benefits, then, it is believed that application of the model will accomplish the following:

a. It will enable a staff officer, after consultation with the necessary level of authority, to construct or make changes to the basic priority ranking given to the major items for maintenance funding. This priority system will be based both on the program guidance information to which budgeting staffs of the MAJCOMS have access and any local funding constraints of which also they have specialist knowledge. The main point here, as made before, is that approval of the ranked list be formally given at what senior HQ AFLC management deem to be the appropriate authority level.

b. The user ALC staffs can, through their remote CREATE computer terminals (14), have access to the basic criteria by which the major items of their concern are being funded for maintenance work.

c. When the raw requirements data has been ranked by the model in accordance with the preset priority level (for major items) and by the "item criticality" computations

(for exchangeable items), all users can see these items included within a funding level and those excluded from it. Anomalies can be petitioned against at this stage but the 'burden of proof' will rest with the user to explain on what basis he proposes that an operational ordering and a cost/benefit computation (Marginal analysis) should be overridden.

d. During the operational budget year, requests from users for funding reallocation, both increases and decreases, can be input to the model by HQ AFLC staff, and the resultant new mixtures of funding which each change produces can be evaluated.

e. The adoption of a centralized system, using overt criteria authoritatively and logically based, will, it is believed, further promote the acceptance of common standards in 'budgetary judgement' throughout AFLC.

It was mentioned earlier, and must be reemphasized, that there are several constraints on the system other than budgetary ones, which are not accommodated by the model. The most important of these would seem to be that of maintenance resources and their physical availability. This factor can either be introduced during the ALC consideration of 'raw' material maintenance requirements or as an 'a posterior' consideration to further modify the computer-validated budget. The former stage of

input for the resource constraint seems, intuitively, to be the more sensible. The selective cutting back of different types of maintenance workload would seem certain to leave a funded 'mixture' which is both below the target level of monetary allocation and apportioned inappropriately among the ranking levels.

The degree of subdivision of the present budget figures has yet to be determined by consultation with the users, HQ AFLC/MM and the staff of HQ USAF/LGX. Further operational subdivisions of budget targeting can be easily made since the program has been designed to allow changes to be made both in the priority parameters of the items (both major and exchangeables) and the levels of budget to which the final lists are compared.

Developing Priority Criteria for the Model

As mentioned in the explanation of the scope of this research, the initial model tested contains only a fraction of the total inventory of items normally subject to DPEM. Specifically 10 major weapon systems and their users were selected, in consultation with the HQ AFLC Materiel Management branches, to produce 29 discrete weapon system/user combinations. These were then ranked by HQ AFLC/MMRER on a subjective basis. Under operational

conditions, the list will be coordinated through HQ AFLC/MMRER to whatever staff level can autonomously and unilaterally judge the basic worth of the mission essentiality ranking. The organizational level necessary to achieve this judgement has not been identified by the research but HQ AFLC/MMRER obliged as this 'unilateral authority' for the research tests.

The subjectivity of the initial ranking system, based as it is on only intuitive reasoning, may appear nebulous and therefore of little value. The method is defended only in that it provides an initial basis from which a consensus of HQ AFLC specialist staff viewpoints can be solicited and incorporated. The whole nature of the funding process at present has been observed to be both subjective and working to undefined criteria (3)(5). It is the intention of this research only to define a subjective ranking which is organizationally acceptable not universally 'provable' in terms of its objectivity. It may be that initial work with "one off" ranked priority listings will allow decision rules to be subsequently formulated, but this is only speculation. As tortuous as the process of creating an initial ranking may be, no better method has been found in this research.

Testing the Results of the Model

It will be noted that both the Research questions involve the evaluative judgement of HQ AFLC management in order to be adequately answered. In view of this it seemed both sensible and necessary to submit the results of the test model to HQ AFLC/MMRER for their critique and to use this as a yard stick, albeit a subjective one.

It was at first envisaged that a panel of judges could be set up to compare the normal funding method with the models results. This proved administratively impractical, however, and the evaluation of the model was left in the hands of HQ AFLC/MMRER, the current managers of the DPEM program.

The manual funding experiment was also left to the responsibility of HQ AFLC/MMRER rather than an ALC team originally hoped for. This modification had the advantage both of centralizing the test activity, which was convenient, as well as 'standardizing' the human elements in the test as much as possible. By this is meant that the same individuals who managed the manual process would evaluate the automated alternatives. Such checks as may be required to correct bias in DOD policy evaluation (i.e., on "mission essentiality") were left to HQ AFLC organization to resolve.

Subjectivity and the Model

The subjectivity of the test procedure for the model, described above, was felt to be unavoidable since the basic ranking of the major items was achieved using subjective criteria, themselves subject to change. On the other hand, the content of exchangeable items in the 'model-produced' workload can be adequately and rationally defended since the marginal analysis technique described earlier was itself logically developed in the basis of item need and availability. It is believed, however, that it will be on the major end-item content of the model-built budget that Air Force management will judge the models acceptability since it is on the major items that the organizational focus rests. The material management branches are delineated by major end item responsibility, as has been mentioned before, and are thus 'major item oriented'. The exchangeable items, conversely are organizationally treated as a homogenious workload of relatively lower priority than the major items (15).

By now it will be apparent that the procedure for testing the model and proving whether or not it meets the research objective largely rests on the uncertain ground of personal or collective judgement. British Army officers define 'Tactics', somewhat facetiously, as "the opinion of the most senior officer present."

The situation faced by this research in both testing and gaining acceptance for the model has something of the same flavor. To be acceptable, the model's content must satisfy HQ AFLC management to the extent that they will have enough confidence in it to trust to its charge what has up to now been a process of protracted negotiation.

The Behavioral Aspect of the Model

In some respects, the model is believed to be a surrogate for a negotiation process. This negotiation process has a significant behavioral value as well as being simply a collective way of refining decision rules for budget inclusions and resolving organizational conflicts. With the focus in Federal financial management being largely on responsibility accounting, it is, perhaps natural to expect that managers at all levels connected with the budget will be reluctant to entrust their managerial reputations to a computer, or perceive that this is the case. The present negotiation process, by providing a forum for interaction, coordination by interested parties, and criticisms, allows each individual a measure of confidence that his professional managerial ability (as reflected in his area of budget responsibility) will not embarrass him later in the

process, through contention with higher authority. It is believed that this is a psychological barrier which the model must break before it will be accepted by managers involved with the budget. The involvement of DPEM managers at all levels to the maximum extent in the models development, therefore, can only assist in gaining the model's acceptance.

CHAPTER III

CONSTRUCTING THE MODEL

Data Sources

As mentioned in the section on Methodology, (and detailed at Appendix B) the planned main source of test data was the DPEM Data Bank currently loaded on the CREATE computer system at HQ AFLC. This proved entirely satisfactory for the major end items, being both easy to access and well maintained. In addition, its future use as the operational data collection system made the DPEM data bank a realistic resource to use.

The intended use of the Marginal Analysis Requirements Simulation (MARS) data for exchangeable item ranking proved to be prohibitively difficult however. The data from the DO 41 system which had been subjected to the marginal analysis treatment of the MARS model was known to be off line and stored on magnetic tape. What was found lacking, however, was a common data element with the DPEM data bank. For this reason, interfacing the two systems was impossible. Verbal assurance had been given during the project planning phase that such an element existed but attempts at implementation proved this information to be incorrect (11).

As explained earlier, the marginal analysis simulation data was originally chosen to provide the most rational means of ranking exchangeable items in terms of their mission essentiality. As appendix I shows, the ranking of exchangeable items by marginal analysis is achieved through consideration

of the items 'utility' and its supply position. Since the asset data organization procluded easy retrieval of this data for prioritizing exchangeable items was found to be the Depot Data Bank (16) which contains for each item, an 'essentiality' code.

The Depot Data Bank is a centralised file of exchangeable item data which has been established at HQ AFLC for use in the management decision process of the headquarters. The file contains data extracted from the Recoverable Item Requirements System (D041) and includes such information as the budget code, Stock Number, Depot Repair Cycle, and Item Essentiality Code (16). In the DPEM Data Bank, each exchangeable item (with the repair group category (RGC) of J, K, or L) has within its record, a Logistic Subprogram Code (KS). This subprogram code consists of the federal stock class and Material Management Code (MMC). An example of the Logistics Subprogram would be as follows (16):

1490	-	LS
Federal Stock Class		MMC code

Thus the DPEM data bank and the Depot data bank have common elements in the federal stock class and material management code. Using these, it was possible to achieve a link between the two data banks, by relating individual national stock numbered items of pseudo codes and them using this relationship to extract the item essentiality code and stock level.

The Item/Mission Essentiality Code (IEC)

At this point, some explanation of the item essentiality code and its construction may be worth while. The IEC codes were originally designed to fulfill the need of the A07/C07 processed of the Advanced Logistics Systems (ALS) for a realistic coding to reflect mission essentiality (17). The IEC contains the Force Activity Designator (FAD) and the technical importance of the item. The FAD is designated by a numeric between 1 and 5 whilst the Technical Importance of the item is denoted by an alphabetic letter from A through E; a description of both these elements, which comprise the item essentiality code, is shown at Table 1.

It must be emphasised that the decision to use the FAD/ Technical Importance based mission essentiality code in no way casts doubt on the validity of the marginal analysis technique it was planned to use. Rather, this was a decision of expediency based on data base inadequacy at the current time. For the reasons given at Appendix L, the marginal analysis technique represents the preferred method and future data base enhancement must, it is felt, allow interface with any operational form of the DPEM funding allocation model. Despite this departure from the planned method of prioritizing exchangeable items, the mission essentiality code is, like the marginal analysis method, used in conjunction with the calculated stock level of the item to determine its ranking.

TABLE 1

ITEM ESSENTIALITY CODES (17)

- FAD
  - 1 = COMBAT
  - 2 = COMBAT READINESS
  - 3 = DEPLOY READINESS
  - 4 = ACTIVE AND RESERVE
  - 5 = OTHER

- TECHNICAL IMPORTANCE
  - A = LACK - PREVENTS MISSION BEING ACCOMPLISHED OR IS SAFETY HAZARD.
  - B = LACK - PRESENTS NOT FULLY EQUIPPED STATUS FOR PRIMARY MISSION ACCOMPLISHMENT.
  - C = LACK - PRESENTS NOT FULLY EQUIPPED STATUS FOR SECONDARY MISSION ACCOMPLISHMENT.
  - D = LACK - PRESENTS NOT FULLY EQUIPPED STATUS WITH NO EFFECT ON PRIMARY OR SECONDARY MISSION ACCOMPLISHMENT.
  - E = NOT ELIGIBLE FOR ANY OF ABOVE FOUR CATEGORIES.

The Programs of the Model

The emphasis in the operation of the model is in the manipulation of large blocks of data with only a relatively small amount of computation involved. Because of this it was decided to use the COBOL (Common Oriented Business Language) programming language as the encoding medium for the model's programs. As may be expected, the programs themselves follow closely the conceptual outline flow of the model shown at Figure 6.

Figure 6 shows the initial blocks of the programming which are designed to extract the desired major item information from the DPEM data bank. To decide on what this test information should be, a matrix of a sample of 10 weapon systems and 10 customers was constructed as shown at Table 2. Research showed that there existed 22 weapon systems/customer combinations. These were then subjectively prioritised in order of their 'mission essentiality' on a purely intuitive basis and the ranking can be seen on the cells concerned in Table 2.

As Figure 7 shows, the parameters of the specified weapon/user combinations are fed into the program PCRANK.S; these parameters include the Fiscal Year (FY), Work Breakdown Structure Code (WBSC), Customer Code (CUS), and Record Identification. The program PCRANK.S extracts items meeting these criteria and stores them on a permanent file (Permfile A) prior to their further use.

The next program PCALL.S takes the contents of the

TABLE 2

Initial Matrix of Weapon System/Customer Combinations

Cust \ WS	A37B	C5A	C121C	F4C	F100F	F104C	F105B	KC135A	T38A	WB57B
AFR	8									
ANG	9		22		1	4	6	7		
ASA										20
DAF	10	13			3				16	
DM									17	
FAA								2		
MAC		14								
MAS									18	
SYS	11	15							19	
SYT	12				21			5		

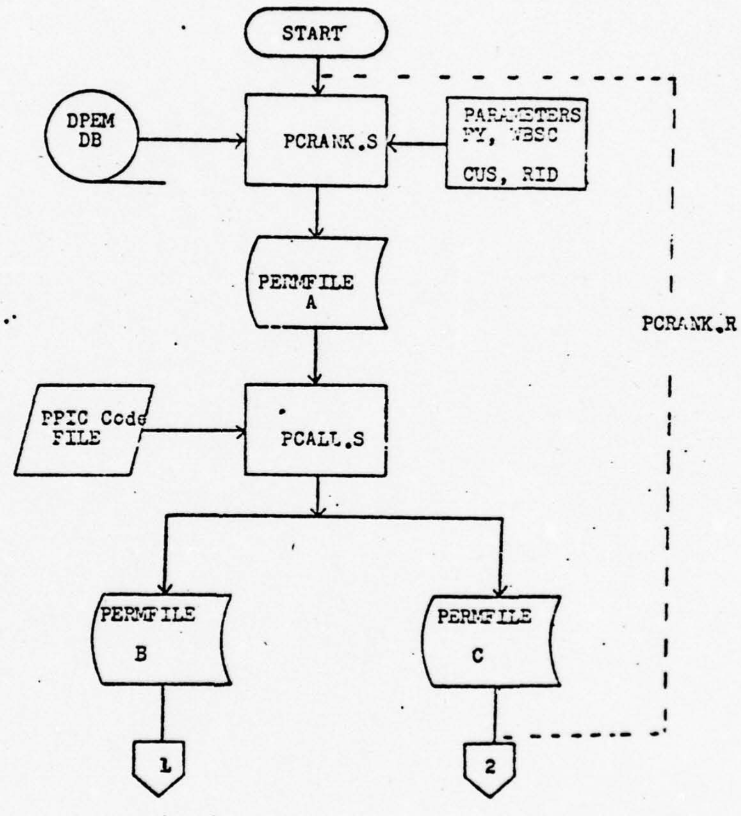


Figure 7 Part I of the Computerised Allocation Model

permfile and separates them into major items (RGCs A, B, C, D, E, F, G, H, M, N, P, R, S) and exchangeable items (RGCs J, K and L). After this separation, the Program Priority Index Codes (PPIC) are allocated to the major item records in order of their previously assigned customer/weapon system priorities. There are therefore two outputs from PCALL.S, the data on exchangeable items, and the data on major end items which have had PPIC codes assigned. These data are separately loaded onto 2 permfiles (B and C) ready for subsequent processing.

The co-ordination of the program up to this point is provided for by PCRANK.R. This job control language routine governs the execution of PCRANK.S and PCALL.S.

Both sets of data from major end items and exchangeable items are next input to the program PCCOMP.S. At this routine, the data are subjected to a comparison check to eliminate duplication of items. The need for this arose from the fact that the original weapon system data is identified separately. This means that different types of the same aircraft are held under different pseudo codes. The funding allocation program is not designed to delineate WS types (this degree of sensitivity in a funding computation is not felt desireable) and thus some paraphrasing of the data elements is functional. When PCCOMP.S routine has finished its duplication eliminating function, the data for OMEI's and Exchangeable items are separately read onto permfiles (D and E) once more. The

execution of this stage is carried out by a routine labelled PCCOMP.R. (Fig 8 refers).

The exchangeable items are next sorted by Air Logistics Centre (ALC) and Logistics Subprogram (KS) and input into the routine EXCH01.S. As a parallel action to this, the 01 record of the Depot Data Bank (mentioned earlier) is being run through the CREATE sort/merge package, and 01 record data is extracted by ALC and Federal Stock Class/Material Management Code onto a further tape. This tape is also input to the EXCH01.S routine which selects data from the DDB 01 records which applies to the exchangeable items on the Permfile E output from PCCOMP.S. At this stage, the exchangeable data, containing the additional element of essentiality code identified to each item, is loaded into Permfile F.

Permfile F is next input to the routine EXCH12.S along with data from the 12 record of the DDB similarly extracted as the 01 record mentioned earlier. The function of this stage is to add to each exchangeable item record on Permfile F, the current DUES IN information applicable to it and load the augmented data onto Permfile G. Following this, the routime EXCH29.S picks the current stock levels for each exchangeable item and adds this to the exchangeable item data by a similar process as before reloading the result onto Permfile H. As can be seen, the functions described above collectively and progressively add data from Depot Data Bank (DDB) records to the exchangeable item data segregated from the DPEM data bank earlier. Figure 9 shows this process in

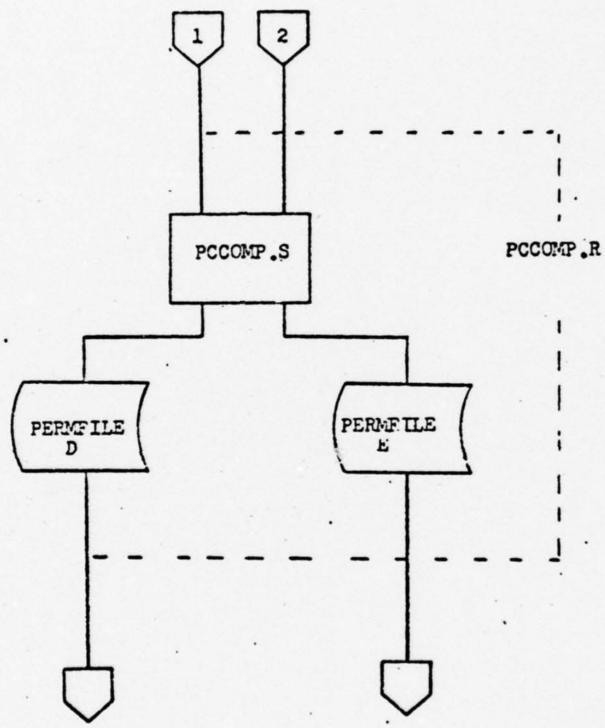


Figure 8 Part II of the Computerised Allocation Model.

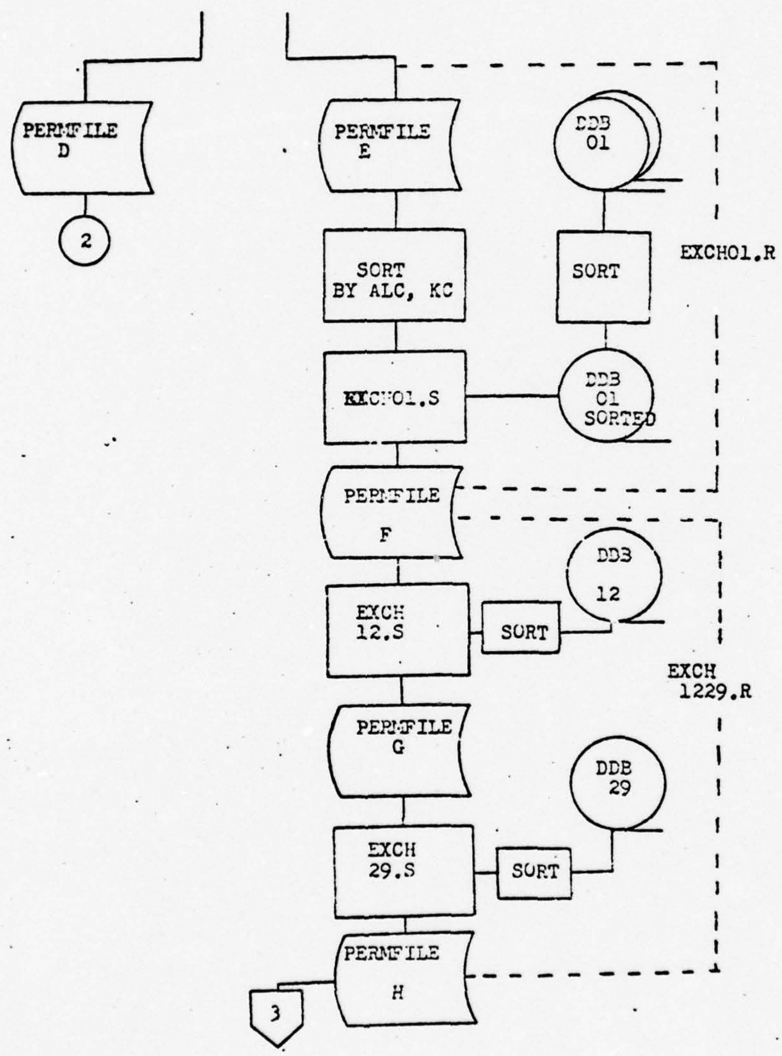


Figure 9 Part III of the Computerized Allocation Model

flow chart form and the sequence of routines is controlled by the job control language routines EXCH01.R and EX1229.R.

The data collected for each exchangeable item onto the Permfile H is next fed into the routine EXAMIN.S which has the purpose of editing item essentiality code data elements to ensure no anomalies exist. Where the item essentiality code is suspect (it does not resemble the normal codes), routine EXAMIN.S removes the code and assigns ZZ in its place. All ZZ coded items are treated as having lowest priority and are thus eventually funded last.

This procedure does, of course, carry with in the dangers of excluding exchangeable items in critical supply positions which have had 'bad' data elements assigned to them. Research has revealed that no better 'priority check' exists, however, and this procedure at least provides a fail-safe device which prevents the insertion of exchangeable items erroneously at too high a level of priority in the funding scheme. In practical terms, the output from the funding process lists any 'ZZ' essentiality coded items which had been excluded from funding. These could be manually verified to check that no operational danger was inherent in their exclusion. This check would also allow their correct essentiality codings to be inserted for future runs.

The EXAMIN.S routine loads the edited exchangeable item data onto Permfile I which is then input to a sort routine. The sort considers both the item essentiality code and the item stock position in its ranking. The stock position is

computed for each exchangeable item from data elements earlier drawn from the DDB. These data represent: the item's current stock level, the 'dues in' total, and the 'dues out' total. The simple algorthm used to compute the stock position is that: SP = SL + DI - DO

(Stock position)=(Stock level) (Dues in) (Dues out)

When the Permfile I has been sorted and ranked in order of the least stock position (SP)/highest item essentiality, the ranked data is input to routine EXALL.S. Routine EXALL.S allocates Program Priority Index Codes (PPIC) to each item. The highest ranked item receives the lowest PPIC, in the same way as for the major items processed earlier. The output from this PPIC allocation routine, EXALL.S, is placed on Permfile J prior to resorting the data by PPIC (it was formerly in IEC and PS order prior to loading into EXALL.S).

As a parallel function to sorting the exchangeable item data by PPIC, a similar reranking is carried out on the major end item data, the processing of which has been mentioned earlier. Both sets of data are then subjected to a merge routine which produces a composit list of exchangeable and major end items ranked in order of their PPIC. For reasons explained elsewhere, it was not thought necessary to resolve any cases of PPIC duplication caused by this process. The merged list is stored on Permfile K to await processing in the funding phase of the model. Figure 10 shows the flow chart for the portion of the model described above and it can be seen that the job control language program ALLMER.R

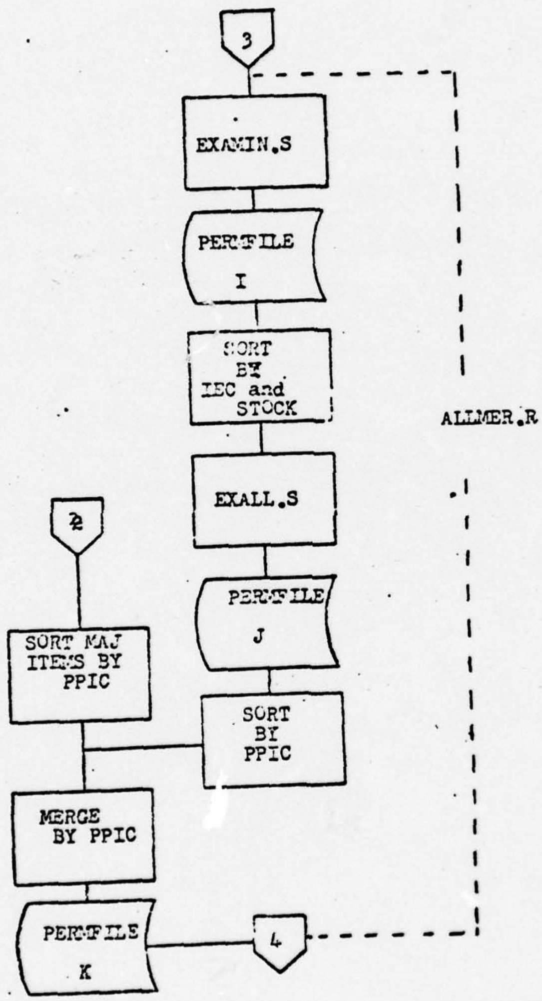


Figure 10 Part IV of the Computerized Allocation Model

is responsible for controlling this section of the model.

The integrated ranked listing of major and exchangeable items is next passed from Permfile K into a routine called FUND.S. The routine accepts the data which is in PPIC order and subtracts each workload $ total from a preloaded budget figure until that budget is exhausted. The output from FUND.S is loaded onto Permfile "FUNDED" prior to a further sort into ALC order.

Finally, as Figure 11 shows, the data is input from "Permfile FUNDED" to the routine FUNREP.S which outputs two reports; a list of all items showing those validated, and a list of selected weapon systmes showing the funding on each. This latter report was requested by MMRER as a summary of items known to be highlighted by higher HQ AFLC management (18). FUND.S and FUNREP.S routines are co-ordinated by the job control language program DAM.R.

Program listings for all routines and job control language programs are shown at Appendix M.

<u>Restrictions in the Test Model</u>.

The purposes of the Test Model were, jointly, to check the 'mechanical' aspects of manipulating the data within the model as well as evaluating the 'rationality' of the models results. To this end, the features of the initial model were kept simple and minimal consistent with the functioning of the system. No attempt was made to split up the budget available into subtotals, for example this was left for further development work. At this initial stage, the full potential of the PPIC code was

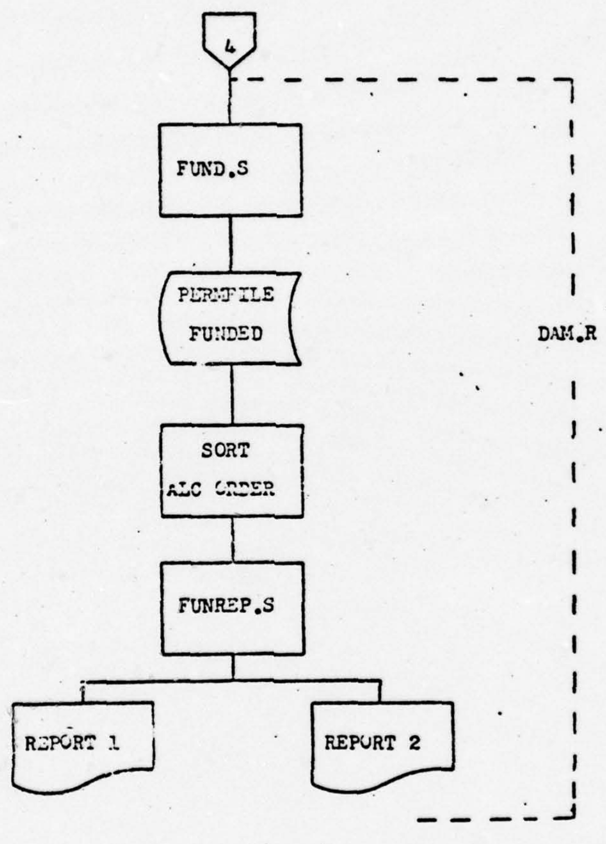


Figure. 11 Part V of the Computerized Allocation Model

not implemented. It will be remembered that within each PPIC code exists a proportional 'break-out' of 3 further priority categories A, B and C. PPIC 1 has 100% of its tasks completed under priority category A whilst PPIC 300 has 100% of its tasks done at priority category C. Intermediate PPIC codes are obviously funded in an intermediate fashion. By resorting the data which is in PPIC code order (at Permfile K) it is possible to rerank workloads tasks by Priority Category order. As mentioned earlier in the paper, this has the effect of funding 'slices' of the complete weapon system inventory which has work to be done in that Category. By this means the funding budget under heavy constraint conditions is able to 'bite deeper' into the AF inventory of repair needs and ensure more parity between functions, whilst preserving the basis "mission essential" priority system integrity. This extra facility of the PPIC code was not, however, used in the initial model and remains for further development work.

Finally, to the list of restrictions can be added that of user interface. As was mentioned earlier, the operational model is to have the facility of allowing its management users to change both major item/customer priority and budget restraints. This is to allow for both changes in operational parameters as well as enabling funding simulation runs to be made.

The Products of the Model

As briefly mentioned earlier, the model provides two

reports: a full listing of the validation status of DPEM requirements, and a further report giving the funding levels of certain selected weapon system/customer combinations of special interest to management (18). Appendix N shows copies of both reports, the first of which is the prime interest of this research. As can be seen, each weapon system/customer combination shows what $ allocation was required for its maintenance workloading and what amount was actually allocated from the AFLC DPEM budget (validated) in accordance with its preset major item priority, or computed exchangeable item priority. The annotated PPIC codes show to which priority level the particular budget target was funded.

Efforts were made to array the information of the report in a similar way to that now produced manually (Appendix J refers). This was done with the behavioral motive that operational personnel would react more favourably to the computerised validation system if its reports accorded with their expectations of layout. By trying to minimise the systems "newness" it was hoped to reduce possible resistance to its use.

CHAPTER IV

TESTING AND EVALUATION OF THE MODEL

Test Plan for the Model

The original plan to test the model was by way of a comparison between the current manual funding method and the results of the model using a priority ranking of major items desired by HQ AFLC management. This notion was ill-conceived since replication of the manual method by the model would have been both surprising (it used a different algorithm) and self defeating, since the model was supposed to produce better (more rationally justifiable) results.

After checking the models 'mechanics' with a short test, it was decided to start by inputing the priority ranking list of weapon system/customer devised by HQ AFLC management (MMRER). This was not expected to replicate the manual funding effort but it was felt that a comparison might be meaningful. The test planning was evolved no further in details than this since initial findings would, it was believed, indicate further changes needed. The ultimate aim of the test plan was dictated by the research questions. This meant that the model had to be tested in modes which would enable the feasibility of modelling the funding process to be judged and the future characteristics of an operational model to be determined.

Initial Test Run

Mrs Margie Williams (19) of HQ AFLC/MMRER was asked

to construct a priority ranking of the 29 customer/weapon systems combinations in the model, based on her DPEM funding experience. This she did, and a copy of the ranking matrix is shown at Appendix O. Mrs Williams was also given a DPEM Data Bank listing of the test data and asked to construct a manual funding from it within a budget of $150 million (the same amount allocated to the model).

The test results of the model are shown at Appendix P and those of the manual method are given at Appendix Q. A cursory inspection reveals that the results are significantly different. The primary reason seemed to be in the unrealistically high proportions given to the highest priority items. This meant that the lowest PPIC coded items had used up most of the fund and indeed the budget was exhausted at PPIC code 06. The ultimate use of 3 subcategories within each PPIC code will allow three 'cuts' through all the inventory, as explained earlier. Since time allowed only the implementation of a single proportional weighting to each PPIC, the effect of the categorisation was not felt. Although the single-category PPIC can be improved upon (and was in the final run) its simplistic treatment of the funding was inadequate.

As well as the researchers myopia, the initial run did highlight the fact that MMRER used a proportional weighting system of their own in manual funding which had not been revealed during earlier research. MMRER applied

their weights to each repair group category (RGC) which make up individual weapon systems (airplanes, engines, etc.). The allocation MMRER used was as follows:

Aircraft (RGC's A and B)	64%
Engines (RGC's E and F)	65%
Other Major End Items (RGC's G and H)	40%
Area/Base Manufacturing (RGC's M,N,P,R,S)	100%
Exchangeable items (RGC's J,K,L)	50%

No regard was made in MMRER's allocation for differences in weapon systems types (MDS) or customers using them.

Another fact uncovered at the same time from AFLC/MMRER (20) was that the research model had not fully retrieved all the available data on exchangeable items and that more information existed on the D039 system (Equipment Items Compution Requirements). It was decided, for test purposes, to ignore the extra data and concentrate on better modelling the funding process.

Second Test Run

The second test run of the model was used as an exercise to copy the current manual funding method. This was done both to show management that the model was easily adaptable to the 'old' funding method and to provide a focus for discussion on the 'mission essentiality' philosophy which was still at the core of the research.

The run was achieved through amodification to the program FUND.S, a listing of which appears at Appendix F. Appendix S shows the results of this run which, not surpris-

ingly, copy the manual funding exercise at Appendix Q very closely.

A further conference with HQ AFLC management (21) at this stage revealed that they retained full confidence in the potential of the 'mission essentiality' approach of the model over the current funding method.

The manual funding method, whilst retaining the 'irrationalities' mentioned in Chapter I (eg. use of Exchangeable Items as a slack variable) did fund something of the budget to every inventory item. HQ AFLC management confirmed (21) that this was indeed a necessary criteria and that future developments of the model must incorporate this facility. This constraint was not revealed earlier but it is understood to have a political, rather than a 'mission essential', rationale.

<u>Third Test Run</u>

As mentioned earlier, time precluded full implementation of the sub-categorisation of PPIC codes. This means that a '3 cut' approach on funding to allow every item something of the budget was infeasible.

A single proportional weight was used for each PPIC computed to give a shallower but broader funding allocation than the initial allocation. By this means it was hoped to fund 'across the board' as management had requested, whilst using the models advantages of mission essentiality ranking and the integration of critical exchangeable items.

The proportional weighting chosen for the 29 PPIC codes was as follows:

a. PPIC code 1 through 4 - 60% of items funded
b. PPIC code 5 through 9 - 40% of items funded
c. PPIC code 10 through 16 - 30% of items funded
d. PPIC code 17 through 20 - 20% of items funded
e. PPIC code 21 through 23 - 15% of items funded
f. PPIC code 24 and 25 - 10% of items funded
e. Others - 5% of items funded

The output report for the third test run is shown at Appendix T. As can be seen, allocation of funding was achieved throughout almost all priority levels to some extent.

A detailed analysis of the final run is being carried out by HQ AFLC management but, again, due to the time factor the results could not be included in the research documentation.

HQ AFLC management (MMRER) has, however, reaffirmed its overall enthusiasm for these first results of the model and has taken action within its organisation to further develop both the model and the DPEM data bank (22).

MMRER staff (21) have also identified the following deficiencies in the model after a review of the test runs. Most of the points were highlighted in Chapter 3 as "given shortfalls" due to constraints of time and data system inadequacy. However the main points made by HQ AFLC management bear repetition as a pointer to future developments in the model.

a. The PPIC coding does not allow the further reranking of items into proportional sub-categories. This

facility is felt necessary in order to meet the 'across the board' funding criteria effectively.

b. The budget target must be capable of sub-totalling between different weapon systems, ALCs, or other organizationally relevant divisions.

c. Exchangeable items computations will eventually be able to use the marginal analysis procedures planned to be available to the DPEM data bank and fund allocation model.

d. Interfaces should be provided to allow the manager access on the time-sharing CREATE computer system to review and change the main item priority ranking.

It almost goes without saying that any operational development model must rectify the above deficiencies (with the possible exception of sub para c) before it can prove its worth.

A Look at the Full Scale Problem

The research did not set out to produce an operationally scaled model, but with the aid of a listing of the DPEM data bank, an indication of the number of weapon system and customer variables was obtained.

Figure 12 shows the matrix of customers and weapon systems constructed after identification of the data bank contents. The squares on the matrix containing numbers indicate where operational usage of a certain weapon system by a certain customer exists. The number in each cell indicates the subjective ranking each has been given based

DPEM MAJOR ITEM/CUSTOMER PRIORITY GENERATION MATRIX

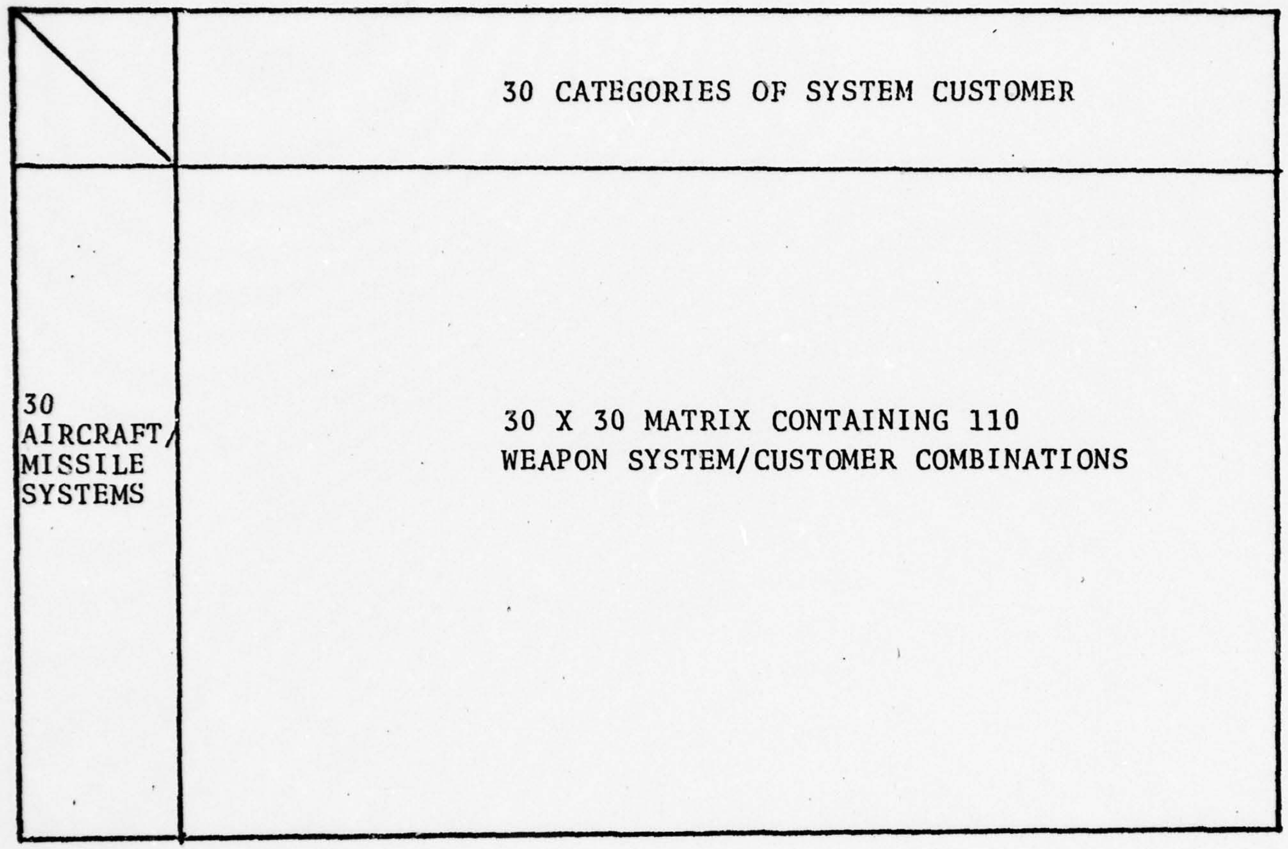


Figure 12. Matrix of Customer/Weapon System Combinations in DPEM Data Bank

DPEM MAJOR ITEM/CUSTOMER PRIORITY GENERATION MATRIX

	30 CATEGORIES OF SYSTEM CUSTOMER
30 AIRCRAFT/ MISSILE SYSTEMS	30 X 30 MATRIX CONTAINING 129 WEAPON SYSTEM/CUSTOMER COMBINATIONS

Figure 12 Continued

DPEM MAJOR ITEM/CUSTOMER PRIORITY GENERATION MATRIX

	30 CATEGORIES OF SYSTEM CUSTOMER
30 AIRCRAFT/ MISSILE SYSTEMS	30 X 30 MATRIX CONTAINING 147 WEAPON SYSTEM/CUSTOMER COMBINATIONS

Figure 12 Continued

on the researchers perception of the mission essentiality of each combination. It will be noted that, of the full scale matrix, there exist 383 combinations which must be ranked and funded. From the matrix, the future scale of the model can clearly be seen and the complexities involved in just prioritizing the major items will be a challenging task.

CHAPTER V

CONCLUSIONS AND PROJECTIONS

The Research Findings

Whilst lack of time precluded a detailed written report from HQ AFLC management on the test runs of the model (particularly the third), verbal reactions obtained were conclusively positive (21) (22). Points of constructive criticism have already been mentioned in Chapter IV. Notwithstanding the models shortcomings however, HQ AFLC/MMRER have endorsed the 'mission essentiality' basis of the model (21). Further, HQ AFLC/MMRER have underwritten their statements by requesting HQ AFLC/ADDSC, CREATE and Studies Branch to further research and develop the model to an operational status (22). Both HQ AFLC/MMRER's encouragement and their organizational action are taken as a clear indication that the research questions have been amply answered. It is believed to have been demonstrated that a predictive funding allocation model can be developed which has been found acceptable (in its initial form) to HQ AFLC management. Further, the characteristics that the model should have are seen by both the researchers and managers to be based on 'mission essentiality' and 'exchangeable item integration'. In other words, the funding allocation process under automated conditions should be based on the concept of budgetting in order of risk to the Air Force mission regardless of role or, (within make or buy policy limits), intrinsic $ value.

The Time Scale of Research and Development

Confidence is believed to be often a function of time, and the test of acceptability will need to be conducted over a protracted time scale if this is true. In the same way that the initial test model was tested on the basis of comparison with a parallel 'manual' funding effort, the operational model will, it is expected, need similar, recurrent comparisons prior to its acceptance by management.

It is envisioned that such a comparison will only be organizationally acceptable if the model has been proved (subjectively) as a worth alternative to the current negotiation process (5) over several future fiscal budget cycles. If the model, running in 'parallel', produces results which consistently show no potentially dangerous exclusions from funding, the question to be logically answered is "what benefits does the current procedure have over the model?" Thus it is believed that, through operation in parallel with the current system, the factor of time and its effects on people's expectations can reverse the current situation. The theoretical advantages of the model have already been argued and if a long term 'field test' allows the model to put the present situation 'on the defensive', these advantages must be matched, or overcome, by more potent reasoning. Within the scope of this research however, evaluation has been limited to the small test model's performance rated against the manual

alternative using similar data. This study has therefore addressed only potentiality in the model and not its absolute worth.

Future Testing of the Model

This research effort has attempted to answer the research questions posed earlier which confined themselves to the feasibility of building and operating the model. In this context 'feasibility' has been taken to mean both the practicability of constructing a computer model of the real situation as well as the problem of persuading its potential users that it is an accurate and more rational alternative to current normal procedure (2). The questions have dealt, therefore, solely with the effectiveness of the model without so far touching upon its potential efficiency.

It is believed that any research effort directed towards the solution of a practical problem should address itself to both effectiveness and efficiency. The avoidance of dealing with the latter point in this research is due to a time constraint, rather than a lack of perceived need. Potential effectiveness has been addressed by the study; efficiency has not been covered at all.

It is believed, that in the long term, efficiency of an operational model could be a sound basis for a hypothesis test. In measures of efficiency, the ratio of inputs to outputs is sought. In organizational terms the most meaningful factor to use is usually cost since this is

traditionally the one offering the biggest constraint in the system. In this research the hypothesis test could take the following form:

> Ho: The current validation method is equal or less costly to operate than the model.
>
> H1: The current validation method is more costly to operate than the model.

It should be noted that these null and alternate hypotheses both assume that the current method is in the defensive position, as mentioned earlier.

Measurement of cost in the current situation would be intrinsically based upon the manhours spent at the ALCs by persons constructing and coordinating the DPEM budget, the staff manhours spent reviewing the budget at HQ AFLC, and the dedicated staff 'field' effort expended on the bi-annual reviews. Additional costs would be these involved in charges made to budget allocations during the operational year. Costings for the model would, hopefully, involve less 'construction and review' time at both the ALCs and little, if any, on 'field' reviews. Costing for both the manual and model prepared budget estimates could be tracked over the time periods in which the two methods (manual and model) were in parallel operation. The data arising from this situation would thus allow a hypothesis test of means.

Again in the longer term, a hypothesis test of effectiveness is also possible. This could take the form of a test of variances between the initially formed budget and the iterative changes that have to be made to the budget during the operational year, for each method. Thus:

$$H_o: \sigma^2_{\text{manual method}} \leq \text{model}$$

$$H_1: \sigma^2_{\text{manual method}} \geq \text{model}$$

The main difficulty in this test would be in isolating the variances in terms of their causation. The requirements for funding during the year change for many reasons other than inaccuracy in the initial budget construction. Changing levels of operational activity, resource availability, as well as effectiveness within the maintenance environment, all impact upon the funding situation and create needs for budget allocation changes. If these factors can be isolated, a hypothesis test for budget effectiveness could be meaningful but this research has not had time to investigate these problems.

In summary, this research has attempted to answer only the research questions and only a longer term study has the potential to test a hypothesis of the models efficiency or its effectiveness.

Future Developments of the Model

One of the model's greatest potentialities for the future is believed to be in its interfacing with other related models. Some thought has already been given to the computerization of the mathematical computation of major item maintenance requirements by the specialist branches at HQ AFLC (8). The output from such a model could obviously provide a useful input to this research model, at least as a pre-checking routine for the raw ALC-generated

requirements.

Of, perhaps, greater future impact to this research model would be an interface with a maintenance workload allocation model. It has already been mentioned that maintenance resources is a variable which must be addressed outside the model. The computerization of maintenance workloading and direct input of its results would be of obvious advantage in that a manual constraint would be considered within the model in an automated form. A great deal of work has already been carried out into maintenance workload modelling (23) but the problems involved are so multivariate that an imminent resolution of them in the form of an early workable model (within the next two years) seems optimistic.

Assumptions

1. That the organizational aim of HQ AFLC exists to maximize the control of the DPEM funding process to guarantee the achievement of performance levels imposed by HQ AFLC.

2. The DPEM data bank currently under construction will pass operational tests and be adopted by Air Force Logistics Command as a centralized information system for DPEM.

3. That at some level of management within HQ AFLC, a ranking order of major items can be approved for maintenance funding purposes as reflecting operational mission essentiality.

4. That the psychological effect of the currently used negotiation process in DPEM is not so strong as to ultimately preclude confidence by managers in an automated alternative procedure.

Limitations

The model attempts only to address the constraint of funding level by applying ranking techniques to the workload. The following further system constraints must be dealt with outside the model:

a. Time

b. Quantity of items needed in the supply system

c. Rates of effort

d. Manpower availability

e. Technical Resource availability

f. Material Resource availability.

The ranking of major items for funding purposes can only be achieved by the subjective judgement of management. The model addresses this problem by building in the flexibility to allow for a 'judgemental' ranking to be constructed.

APPENDICES

APPENDIX A

DPEM REPAIR GROUP CATEGORIES

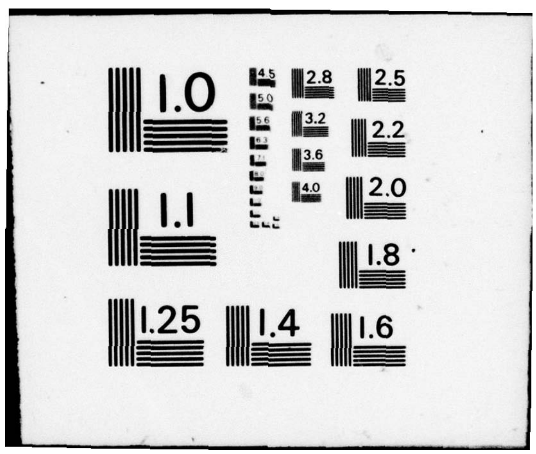
DPEM REPAIR GROUP CATEGORIES

CODE	DESCRIPTION
A	AIRCRAFT - NEGOTIATED
B	AIRCRAFT - NON-NEGOTIATED
C	MISSILE - NEGOTIATED
D	MISSILE - NON-NEGOTIATED
E	ENGINES - NEGOTIATED
F	ENGINES - NON-NEGOTIATED
G	OTHER MAJOR END ITEMS - NEGOTIATED
H	OTHER MAJOR END ITEMS - NON-NEGOTIATED
J	EXCHANGEABLES - MANAGEMENT ITEM SUBJECT TO REPAIR (MISTR)
K	EXCHANGEABLES - NEGOTIATED PROJECT DIRECTIVE (NON-MISTR)
L	EXCHANGEABLES - NON NEGOTIATED
M	AREA SUPPORT
N	BASE SUPPORT
P	MANUFACTURE - AIR FORCE STOCK FUND (AFSF)
R	MANUFACTURE - NON AFSF
OTHERS	MISCELLANEOUS

AD-A035 440 AIR FORCE INST OF TECH WRIGHT-PATTERSON AFB OHIO SCHO--ETC F/G 5/1
A PROGRAM ALLOCATION MODEL FOR DEPOT PURCHASED EQUIPMENT MAINTE--ETC(U)
AUG 75 G C MILBORROW

UNCLASSIFIED SLSR-52-75B NL

2 OF 3
ADA035440


1.0
1.1
1.25
1.4
1.6
1.8
2.0
2.2
2.5
2.8
3.2
3.6
4.0
4.5
5.0
5.6

APPENDIX B

DPEM DATA BANK (18)

THE DPEM DATA BANK (18)

Background

The Depot Purchased Equipment Maintenance Data Bank (DPEMDB) is a master file of planning and programming data stored on permanent disk and magnetic tapes on the CREATE computing system located at Headquarters, Air Force Logistics Command, Wright-Patterson Air Force Base. The basic purpose of the DPEMDB is to determine requirements and manage programs associated with depot level maintenance work to be purchased from the Depot Maintenance Service, Air Force Industrial Fund (DMS, AFIF). Guidance concerning policies used, approval authority, and implementation of the basic program is provided in AFLCR 66-40 (2).

The DPEMDB contains information currently collected and maintained manually on AFLC Form 982, Depot Purchased Equipment Maintenance Organic/Contract Requirements and Program Status (RCS: LOG-MMR(Q)71105). This manual has been designed to provide information on the DPEMDB and instructions on how to utilize the DPEMDB routines to file maintain, access, and/or summarize the data contained in the DPEMDB.

Relationships with other data systems

a. GO72C, Depot Maintenance Program and Long Range Planning System. This system is used to provide

the Depot Purchased Equipment Maintenance data bank with the initial stratification of workload requirements data on which management decisions are subsequently to be based. Additionally, this system provides detailed repair rates at the pseudo code level.

b. Depot Maintenance Support Programming System, DODI 4151.15/AFR 66-50. This instruction and regulation establishes concepts, criteria, and policy governing the establishment and use of a mechanized depot maintenance mission or responsibility. This system is oriented and aligned with weapon and end item equipments as systems rather than being related to commodity groupings of items or purely a functional level of consideration.

Structure of the DPEM Data Bank

Currently the DPEMDB can contain Form 982 information in 5 record types.

An Ø1 record or header record contains program classification data i.e., pseudo code, fiscal year, repair group category, logistic subprogram code, model design

series, workload breakdown structure, fund source, AFLC and OASD customer code, total DMIF rate, organic/contract code, method of accomplishment, facility code, ALC code, and DRAW code.

1. Pseudo code: The logistics Pseudo Code is a four-character alphabetic code used to identify a particular line entry within the automated Logistics Program Management System (K011A) and this program. The first position of the pseudo code identifies the field activity originating the line entry, the remaining three positions may be used in any combination within an assigned range. Logistics Pseudo Code ranges assigned are as follows:

Oklahoma Air Logistic Center	DAAA - DZZZ
Ogden Air Logistic Center	EAAA - EZZZ
San Antonio Air Logistic Center	FAAA - FZZZ
Sacramento Air Logistic Center	HAAA - HZZZ
Warner Robins Air Logistic Center	JAAA - JZZZ
Aerospace Guidance and Meterology Center	RAAA - RZZZ

2. Fiscal year: The fiscal year is a two-character numeric code used to identify the specific year of the requirement. It is used to identify prior year, current year, and out-year requirements.

3. Repair group category: An RGC is a one digit alpha or numeric character that identifies the system(s) FSC or program for which a maintenance workload may exist and against which an expenditure of manhours may be charged. *RGCs that may be used in the program are:

A = Aircraft - Programmed

B = Aircraft - Non-Programmed

C = Missile - Programmed

D = Missile - Non-Programmed

E = Engines - Programmed

F = Engines - Non-Programmed

G = Other Major End Items (OMEI) - Programmed

H = OMEI - Non-Programmed

J = MISTR (Organic/Contract)

K = Negotiated Project Directive (Non-MISTR)

L = Exchangeable - Non-Programmed

M = Area Support - Organic only

N = Base Support - Organic only

P = Manufacture - Air Force Stock Fund - AFSF

R = Manufacture - Non-AFSF

S = Special - Organic only

W = D/M Overhead - Organic only

1 = Aircraft Storage

3 = Detachment #41, Vanderburg

5 = PME Calibration

7 = AFLC Contract Base Maintenance

8 = Contract Service Engineering

9 = Preparation of Reproducible Copy of Data

4. Logistics Sub-Program: The Logistics Sub-Program Code is a further breakdown of the Logistics Program Code and is made up from one to ten alpha-numeric characters. The code uniformly identifies the weapon system, commodity categories, or programs for which depot maintenance and other logistics support requirements may generate. Examples of this code are:

System Sub-Program Categories	Pgm Code	Sub-Program Code
Aircraft	F-4	F-4C
Missile	LGM-25	LGM-25
Comm & Elect	XW	XW-440L-CZ
Engine	PF	J-65-3
FSC Aircraft	F-4	1377BF

5. System Standard MDS: Model Design Series is a combination of significant letters and numbers assigned to identify a specific end article or group of end articles for item application and program publication purposes. (See AFLCR 57-1)

6. Workload Breakdown Structure: The WBS is broken down into three parts. These are major category

code, weapon system code, and WBS code.

a. Major Category Code: The major category code identifies the seven major categories of weapons or equipment end items to which a workload may be assigned. The Major Categories are as follows:

Aircraft	Electr & Comm - Electronics & Communications Systems
Missiles	Gen Purp Equip - General Purpose Equipment
Ships	Ord Weapons & Mun - Ordnance Weapons & Munitions
Vehicles	

*MAJ CAT is the same as the FIRST position of the "Workload Breakdown Structure" field contained in the CREATE Expanded G072C Master.

CATEGORY	CODE
Aircraft	1XXXX
Missile	2XXXX
Ships	3XXXX
Vehicles	4XXXX
Electr & Comm	5XXXX
Gen Purp Equip	6XXXX
Ord Weapons & Mun	7XXXX

NOTE: MAJ CAT for missiles refers to ground launch missiles only.

b. Weapon System Code: A weapon or equipment end item is defined as an instrument of combat or

combat support employed in the accomplishment of a military mission. It consists of a final combination of assemblies, subassemblies, parts, and materiels which together perform a complete operational function and is ready for its intended use, i.e., vehicle, missile aircraft, ship, tank, communications system. Specific codes used are as follows:

Aircraft

BCA = C131A	BFE = RF004C	BXZ = C007Z	DCX = C117X
BCB = C131B	BFF = F004D	BYA = C008	DDF = OH023F
BCD = C131D	BFG = F004E	BZA = HH053B	DEA = C054D
BCE = C131E	BFH = F004G	BZB = CH053C	DEB = HC054D
BCG = C131X	BFJ = F004J	BZC = HH053C	DEC = TC054D
BCH = VC131H	BHA = F102A	CFA = A001E	DEX = C054X
BCJ = T029A	BHB = TF102A	CGA = 0002A	DEZ = C054Z
BCK = VT029A	BJA = F111A	CQA = C009A	DFC = CH034C
BCL = VT029B	BJC = F111C	DAE = OH013E	DFD = UH034D
BCM = VT029B	BJD = F111D	DAG = OH013G	DFJ = UH034J
BCN = F004A	BJE = F111E	DAH = OH013H	DHA = C118A
BCP = VT029C	BJF = F-11F	DCA = C047	DHB = VC118A
BCR = T029D	BJG = RF111A	DCB = EC047Q	DHX = C118X
BCS = VT029D	BKA = F106A	DCC = EC047	DJC = C124C
BDB = U010B	BKB = F106B	DCD = HC047	DKA = TB026
BDD = U010D	BPA = UD17A	DCE = RC047	DKB = VB026B
BFA = F004A	BPB = J017B	DCF = TC047	DKK = B026K

BFB = F004B	BPC = U017C	DCG = VC047	DLA = EB066B
BFC = RF004B	BRA = FB111	DCH = C047X	DLB = RB066B
BFD = F004C	BXA = C007A	DCM = C117	DLC = EB066C
DLD = EB066D	FLA = C135A	GUC = F101C	LFR = EC121R
DLB = FB066E	FLB = EC135A	GUD = RF101C	LFX = C121X
DMA = C133A	FLC = RC135A	GUG = RF101G	LGA = C130A
DMB = C113B	FLD = RC135A	HGA = T034	LGB = DC130A
DUA = S-02D	FLE = C135B	HHA = CH047	LGC = WC130A
DVA = C010	FLF = WC135B	JCB = HH043B	LGD = AC130A
DZB = QU022B	FLG = EC135C	JCF = HH043F	LGE = RC130A
ECJ = F089J	FLH = RC135C	JHA = C141	LGH = C130B
EVA = OV10A	FLJ = RC135M	KCA = RB057A	LGJ = WC130B
FEA = B047B	FXA = F015	KCB = B057B	LGL = C130D
FEB = TB047B	GAB = UH001B	KCC = B057C	LGN = C130E
FED = B047E	GAD = UH001D	KCD = EB057D	LGP = DC130E
FEE = RB047E	GAE = TH001F	KCE = B057E	LGR = WC130E
FEG = WB047E	GAF = UH001F	KCF = B057G	LGS = HC130H
FEH = RB047H	GAH = UH001H	KCH = RB057F	LGT = HC130N
FFD = WB050D	GAN = UH001N	LCA = T033A	LGX = C130X
FGA = B052A	GBA = HU016A	LCB = DT033A	LGY = C130Y
FGB = B052B	GBB = HU016B	LCC = RT033A	LHA = C005A
FGC = B052C	GCA = C142	LCX = T033X	LJA = VC006A
FGD = B052D	GEA = U006	LGY = QT033X	LKA = QF104

FGE = B052E	GJA = CH021A	LFA = C121A	LKB = F104A
FGF = B052F	GJB = CH021B	LFB = C121C	LKC = F104B
FGG = B052G	GJC = HH021B	LFC = RC121C	LKD = F104C
FGH = B052H	GMA = U007	LFD = EC121D	LKE = F104D
FHC = C097L	GNA = U004A	LFF = EC121T	LKF = F104G
FHD = C097D	GPA = A037	LFG = C121G	LKG = RF104G
FHG = KC097G	GUA = F101B	LFH = EC121H	LKH = TF104G
FHL = KC097L	GUB = RF101B	LFK = EC121K	MAD = A007D
MEG = T006G	RDA = C119C	TXA = T043	13A = AX
MFA = T028A	RDB = C119g	WDA = HH019A	14A = U001A
MFB = T028B	RDD = C119J	WDB = HH019B	15A = B045
MFD = T028D	RDE = AC119G	WDD = UH019D	16A = F008X
MJA = F086D	RDF = AC119K	XCA = VC137A	17A = T002X
MJB = F086F	RDX = C119K	XDA = C140	18A = P002X
MJC = RF086F	REB = C123B	XEA = T038A	19A = E003A
MJD = F086F	REJ = C123J	XFA = T039	20A = AU23A
MLA = F100A	REK = C123K	XFX = T039X	21A = AU24A
MLC = F100C	REY = C123Y	XHA = C046	22A = C00XX
MLD = F100D	SCE = 0001E	XJA = F005A	23A = EC747
MLF = F100F	SCF = 0001F	XJB = RF005A	24A = B1
MSA = F051	SEB = T037B	XJC = F005B	25A = C-11
NDA = F084F	SFA = U003A	XJE = F005E	26A = MH-15
NDB = RF084F	THB = CH003B	XXA = B058A	27A = F37A/T45
NEB = F105B	THC = CH003C	11A = T041A	28A = A7

NED = F105D	THE = CH003E	11D = T041D	888 = Other
NEF = F105F	THY = HH003Y	12B = A004B	999 = Common
NEG = F105G			

Missiles

ACD = CGM016D	AHG = LGM030G	JBA = AGM65A	22A = PGM043
ACE = CGM016E	ADA = 437/BURN	SBA = MQM013A	23A = BQM034A
ACF = HGM016F	BMA = WS96	SBB = CGM013B	23F = BQM034F
AEC = LGM025C	CEA = HGM025A	VEA = DSP	888 = Other
AHB = LGM030B	FBA = CQM010A	21A = PGM017A	999 = Common
AHF = LGM030F	FBB = CIM010B		

Ship Systems

"333"

Vehicle Systems

"444"

Electronics & Communications Systems

CZA = 440L	ZJA = 474L	2BA = 427M	3KA = 490L
CPA = MCGS	ZKA = 404L	3AA = 439L	3LA = 493L
ELA = 441D	ZMA = 494L	3BA = 469L	3LB = ZS
XLA = 414L	ZNA = 492L	3CA = 484L	3LC = JA
XMA = 416P	ZRA = 407L	3DA = 484N	3LD = ZX
XNA = 418L	1AA = 416L	3EA = 486L	3LE = ZE
ZAA = 496L	1BA = 416M	3FA = 487L	3LF = ZU
ZBA = 412L	1CA = 416Q	3GA = 487M	3LG = ZV
ZEA = 433L	1DA = 474N	3HA = 488L	4AN = GPS-T2
ZFA = 465L	2AA = 425L	3JA = 489L	5AN = GPQ-76
ZGA = 466L			

General Support Systems

"666"

Ordnance Weapons and Munitions

"777"

c. Workload Breakdown Structure Code: The workload breakdown structure code is used to provide further breakdown of the seven major categories of weapons or equipment end items for which requirements may generate:

I Aircraft

A = Airframe

B = Engine

C = A/C Acc/Comp

D = A/C Electr/Comm

E = A/C Armament

F = A/C Supp Equip

G = A/C Other

II Missiles

A = Missile Frame

B = Msl Prop Sys/Comp

C = Msl Acc/Comp

D = Msl Supp & Launch

E = Msl Guid Sys/Comp

F = Msl Grd Comm/Cent

G = Msl Other

III Ships

Constant 3333X ships

IV Vehicles

Constant 4444X vehicles

V Electronic & Communications Systems

A = Sta Sys/Comp

B = Mobile Sys/Comp

C = Port Sys/Comp

VI General Purpose Equip

Constant 6666X General Purpose Equipment

VII Ordnance Weapons and Munitions

Constant 7777X

NOTE: Adjustments to present methods with respect to Major Category, MDS identification, and Structure Codes may be required based upon current/anticipated A35 Design.

7. Fund Source: The fund source is a one digit alphanumeric code which identifies an AFLC customer. The first digit of the program control number is also the fund source.

8. AFLC Customer Codes: A three digit alphanumeric code used in this program to designate those agencies that generate or are projected to generate a depot maintenance workload and whose funds will be used for direct cite or reimbursement to the Depot Maintenance Activity, Air Force Industrial Fund (DMA, AFIF) for their relationship to the AFLC customer codes are currently being developed.

9. OASD Customer Codes: AFR 66-50 (DODI 4151.15) the Depot Maintenance Support Programming System requires alignment of workload requirements/costs to office of the Secretary of Defense Codes. (See attachment 2 of AFLCR 66-40, pp 15-16, for the relationship between AFLC and OASD customer codes) (2).

10. Total DMIF Rate: The total DMIF rate is the sum of the direct labor, direct materiel, indirect materiel,

indirect/overhead labor, other indirect/overhead, and general and administrative rates and represents the total cost for one direct product actual hour.

11. Organic/Contract Code: This code is a single digit either O or C. O is for organic and C is for contract.

12. Method of Accomplishment: MOA is used in this program identifies the means by which varying quantities of program units supporting a given logistics program are to be accomplished. Code structure is a one-digit numeric. MOA codes that may be used in this program are:

1. A summary of total program units where more than one MOA is shown.

2. The program units to be accomplished by the reporting organizations, on or off base, other than by TDY.

3. The program units to be accomplished by the reporting organization on TDY.

4. The program units to be accomplished by a contractor at his facility.

5. The program units to be accomplished by contract technical services.

6. The program units to be accomplished by an AFLC activity other than the reporting organization.

7. The program units to be accomplished by an Air Force Command other than the Air Force Logistics Command.

8. The program units to be accomplished by governmental agencies or departments other than the Air Force.

9. The program units to be accomplished by an AFLC depot team assigned to other than the reporting organization.

10. The program units to be accomplished by contractor personnel away from the contractor's facility.

13. Facility Code: The Facility Code is used to identify where a workload is being or planned to be accomplished. Specific abbreviations are as follows:

OC = Oklahoma City ALC	PA = Contract Pacific Area
OO = Ogden ALC	AL = Contract Atlantic Area
SA = San Antonio ALC	CN = Contract Other Areas
SM = Sacramento ALC	DA = Department of Army
WR = Warner Robins ALC	DN = Department of Navy
AG = AGMC	

14. ALC Identification Code: The management ALC code identifies the Air Logistic Center that has been designated as the program manager for a given system, commodity, or support responsibility. Specific management ALC abbreviations are as follows:

OC = Oklahoma City ALC

OO = Ogden ALC

SA = San Antonio ALC

SM = Sacramento ALC

WR = Warner Robins ALC

15. Draw Code: The Draw code is a one (1) digit alphabetical character used to identify the type fund cite (reimbursable or direct cite) applicable to various customer codes and Repair Group Categories (RGCs). The Draw codes used are:

D. Direct Cite from customer.

R. Reimbursable to DAF-7.

A. Direct Cite from DAF-7 (Direct Air Force).

W. Direct Cite from DSAA DAF-10 (Military Assistance Program).

The Ø2 through Ø5 records or Quantity, Hour, and Dollar (QHD) records contain the following data: pseudo code, fiscal year, RGC, subprogram, MDS, WBS, quantity, direct product actual hours (DPAH), and dollars.

The record identifier (RID) is a 6 digit numeric code which identifies header, QHD, memo header, and memo records. A RID has three data elements: Memo-id, record-type, and sequence number.

1. Memo-id: A record with a memo-id of ØØ is a "regular" DPEMDB record, while records with non-zero

memo-ids are known as "memo" DPEMDB records. Memo records will only occur when several weapon systems require the same pseudo code. For example, pseudo code HAAA may be needed on a F105D, FB111A, F111A, F1000, and F111E. Ø10100 would be an example of the first memo header record. 030200 would be an example of the third memo Ø2 or ALC requirement record. 000300 would be an example of a regular ALC validated requirement record.

2. <u>Record-type</u>: Record-type has been previously discussed.

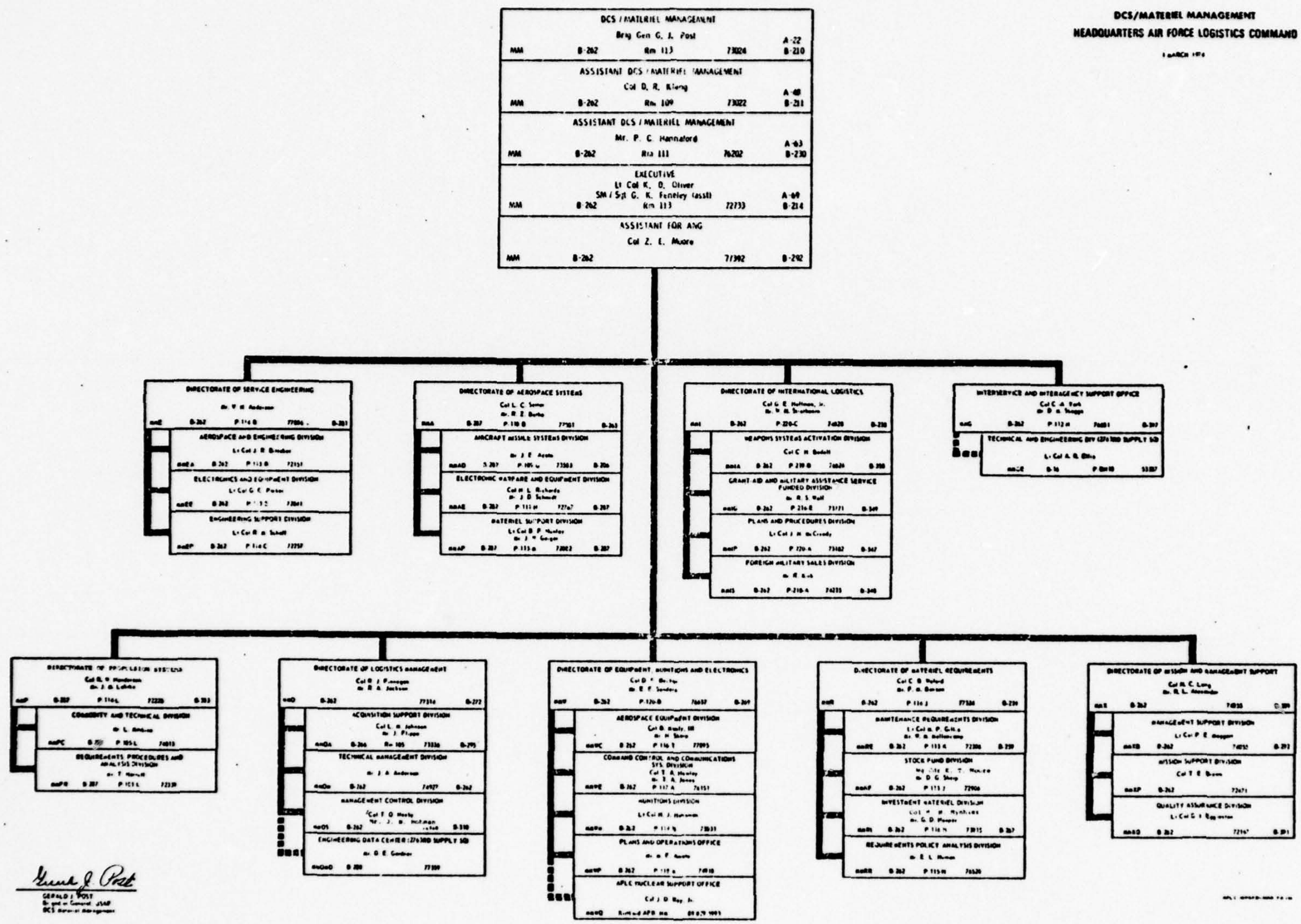
3. <u>Sequence-number</u>: The sequence-number field is not being used at this time so it will always appear as ØØ.

APPENDIX C

DCS/MATERIEL MANAGEMENT ORGANIZATION DIRECTORY

DCS/MATERIEL MANAGEMENT ORGANIZATIONAL DIRECTORY

DCS/MATERIEL MANAGEMENT
HEADQUARTERS AIR FORCE LOGISTICS COMMAND



APPENDIX D

DPEM REQUIREMENTS PROJECTIONS

DPEM REQUIREMENTS PROJECTIONS

METHODS OF COMPUTATION

- AIRCRAFT - T.O. 00-25-4 PROGRAMMED DEPOT MAINTENANCE (PDM) CYCLES APPLIED TO FORCE STRUCTURE PLUS SM NEGOTIATIONS
- MISSILES - PAST EXPERIENCE APPLIED TO INVENTORY
- ENGINES - AFM 400-1 ACTUARIAL TECHNIQUE
- OTHER MAJOR ITEMS - PAST EXPERIENCE APPLIED TO PROGRAMMING DATA AND NEGOTIATION WITH USERS SPECIAL PURPOSE VEHICLE REQUIREMENTS DETERMINED FROM T.O. 36A-1-112 AND T.O. 36A-1-70, OTHERS DETERMINED FROM EQUIPMENT ITEM REQUIREMENTS SYSTEM.
- EXCHANGEABLES - RECOVERABLE CONSUMPTION ITEM REQUIREMENTS SYSTEM
- AREA/BASE SUPPORT - PAST D/M EXPERIENCE RELATED TO AVAILABLE PROGRAMMING DATA (FORCE STRUCTURE AND BASES)

APPENDIX E

DPEM AFLC FORM 1110

DEPOT PURCHASED EQUIPMENT MAINTENANCE PROGRAM	REPORTING ALC: SAALC	FISCAL YEAR: 75	DATE: 3 DEC 1974	PAGE OF PAGES
MOA: ORGANIC	DIRECTIVE NUMBER: #50			

PROGRAM CONTROL NUMBER A	ITEM DESCRIPTION B	SAA C	QTY D	OPAH E	$(000) F
	T56-A7		383	136273	2806
AEFMUM	DAF		247	87883	1811
BEF	AWS		12	4270	88
GEF	USCG		27	9607	198
PEF	AFSC (P)		2	712	15
TEF	MAP(FMS) PK-MBB		4	1423	29
TEF	MAP(FMS) IS-LGP		24	8539	176
TEF	MAP(FMS) PK-MBD		16	5693	117
TEF	MAP(FMS) ID-MAA		10	3558	73
ZEF	AFR		25	8295	183
4EF	MAP(G/A) JO-Y3PA01		1	356	7
4EF	MAP(G/A) ID-Y4AK01		10	3558	73
4EF	MAP(G/A) TK-Y4P344		4	1423	29
9EF	NASA		1	356	7
	T56-A7 To A15				
CEFMGR	AFSC (C)		37	12328	224

AFLC FORM NOV 71 1110 PREVIOUS EDITIONS ARE OBSOLETE. AFLC-WPAFB-JUL 74 3M

APPENDIX F

REPORTING SYSTEM - G079

DPEM DEPOT PURCHASED EQUIPMENT MAINTENANCE

REPORTING SYSTEMS

- SYSTEMS AND EQUIPMENT MOD/MAINT PROGRAM (G079)
  - A MECHANIZED SYSTEM - AIRCRAFT/MISSILES ONLY
  - MONTHLY FOR CURRENT PLUS THREE OUT YEARS
  - DATA REPORTED
    - REQUIREMENT (ANNUAL)
    - FUNDING (ANNUAL)
    - INITIATED/COMMITTED/OBLIGATED
    - SCHEDULE - IN/OUT (QTR)
      - DETAIL
        - PROGRAM CONTROL NUMBER
        - SUBPROGRAM (F111A) (MOD F 1559)
        - DESCRIPTION (PDM)
        - METHOD OF ACCOMPLISHMENT
        - QTY, DPAH, DOLLARS
      - SUMMARY
        - MANAGER
        - COMMAND
        - MODIFICATION INSTALLATION SUMMARY
        - MODIFICATION SCHEDULE AND COST SUMMARY

APPENDIX G

REPORTING SYSTEM - G072C

DPEM DEPOT PURCHASED EQUIPMENT MAINTENANCE REPORTING SYSTEMS

- DEPOT MAINTENANCE PROGRAM AND LONG RANGE PLANNING (GO72C)
  - A MECHANIZED SYSTEM - ALL REPAIR GROUP CATEGORIES
  - QUARTERLY FOR CURRENT PLUS FIVE OUT YEARS
  - DATA REPORTED
    - REQUIREMENT (ANNUAL)
    - FUNDING (ANNUAL)
    - OBLIGATION/WAR MOBILIZATION (ACCUMULATIVE/ANNUAL)
    - WORK BREAKDOWN STRUCTURE
      - DETAIL
        - PROGRAM CONTROL NUMBER
        - SUBPROGRAM (F111A)
        - DESCRIPTION (PDM)
        - METHOD OF ACCOMPLISHMENT
        - QTY, DPAH, DOLLARS
      - SUMMARY (RGC)
        - MANAGER
        - SRA

APPENDIX H

G072C REQUIREMENTS OUTPUT

G072C DEPOT MAINTENANCE SRA REPORT (Headings) AS OF 30 JUN 74

FACILITY: DA . W R A M A PAGE NO: 3

		REQUIREMENTS		FUNDED		PDM / AUTH		OBLIGATION
RGC	FY	DPAH	DOLLARS	DPAH	DOLLARS	DPAH	DOLLARS	DOLLARS

APPENDIX I

SYSTEMS/EQUIPMENT MODIFICATION/MAINTENANCE PROGRAM

USAF - SMALC
REPORT DESG F8-111

PART E-5 MODIFICATION SCHEDULE BY COMMAND

MCD NO 13315A STALL INHIBITOR SYS

MOD SCHEDULE			1975					1976						
COMD	PCN	QTR	1ST	2ND	3RD	4TH	TOTAL	1ST	2ND	3RD	4TH	TOTAL	1ST	2ND
SAC	AAHT5B3	IN								2	6	8	6	6
		OUT								2	6	8	6	6
TOTAL		IN								2	6	8	6	6
		OUT								2	6	8	6	6

PRGM COMPL INWORK

37

AGENCY														
DEPOT		IN								2	6	8	6	6
		OUT								2	6	8	6	6

1976					1977					1978
1ST	2ND	3RD	4TH	TOTAL	1ST	2ND	3RD	4TH	TOTAL	TOTAL
		2	6	8	6	6	6	6	24	5
		2	6	8	6	6	6	6	24	5
		2	6	8	6	6	6	6	24	5
		2	6	8	6	6	6	6	24	5
		2	6	8	6	6	6	6	24	5
		2	6	8	6	6	6	6	24	5

APPENDIX J

DPEM FORM 1515

								REQUIREMENT		PROGRAM		
RMB SCJ	.RGC	.PSEUDO CODE	.SUB-PROGRAM	.PROGRAM UNIT TITLE	.MOA	.FAC	.I.D.	.COMPUTED RQMT (K313)	.AMA REQUESTED RQMT	.APPROVED PGM	.REQUESTED REPROGRAM	. OOB/DC OBLIGATION
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(j)	(k)	(l)	(m)	(n)
DAF (A)												

APPENDIX K

PROGRAM PRIORITY INDEX CODE

PROGRAM PRIORITY INDEX CODE
======= ======== ===== ====

PPIC <**>	CAT A <*>	CAT B <*>	CAT C <*>	TOTAL <<*>>
1	100	0	0	100
2	99	1	0	100
3	99	0	1	100
4	98	2	0	100
5	98	1	1	100
6	98	0	2	100
7	97	3	0	100
8	97	2	1	100
9	97	1	2	100
10	97	0	3	100
11	96	4	0	100
12	96	3	1	100
13	96	2	2	100
14	96	1	3	100
15	96	0	4	100
16	95	5	0	100
17	95	4	1	100
18	95	3	2	100
19	95	2	3	100
20	95	1	4	100
21	95	0	5	100
22	94	6	0	100
23	94	5	1	100
24	94	4	2	100
25	94	3	3	100
26	94	2	4	100
27	94	1	5	100
28	94	0	6	100
29	93	7	0	100
30	93	6	1	100
31	93	5	2	100
32	93	4	3	100
33	93	3	4	100
34	93	2	5	100
35	93	1	6	100
36	93	0	7	100
37	92	8	0	100
38	92	7	1	100
39	92	6	2	100
40	92	5	3	100
41	92	4	4	100
42	92	3	5	100
43	92	2	6	100
44	92	1	7	100
45	92	0	8	100
46	91	9	0	100
47	91	8	1	100
48	91	7	2	100
49	91	6	3	100
50	91	5	4	100
51	91	4	5	100
52	91	3	6	100
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

APPENDIX L

AN OVERVIEW OF MARGINAL ANALYSIS (18)

MARGINAL ANALYSIS

The logic of marginal analysis, as applied to the context of this research, can be simply described in terms of a family budget. In the domestic case, a limited amount of money has to cover expenses incurred by the family. In allocating this budget, the family man, almost subconsciously, uses marginal analysis. He allocates the dollars where they will do most good. This is essentially the process in current, manually produced, Air Force budgets where the items are ranked in order of their need, usually the operational need. In the domestic budget, it is recognized that the second item purchased will have less value, or 'utility', than the first. The third item purchased will have less utility than the second, and so on. The view point that an item costs "too much" is an expression of belief that the expected value to be gained from the item is less than other claims against the household budget.

The application of this marginal (incremental value) analysis to the Air Force repair of inventory items can be clearly seen. The items in shortest supply have the greatest need for repair action and thus the greatest priority. The need for the item can be deduced from a number of measurement bases which indicate

'shortage' in supply of the item. The level of shelf stock at a depot is one such simple measure. Another indicator of shortage is the 'expected backorder' level of an item, a measure of the delay encountered at the point of use in obtaining a replacement item from the depot. If no item is in the depot stock or repair cycle, the delay will equal the sum of the time required to ship a repairable unit to the depot, the time required to make the item serviceable, and the time required to ship the item back to the base which needs it. As items flow into the depot repair cycle, the time required for these operators overlaps and the delay decreases. As the number of items in the repair cycle gets large, the delay tends towards zero time. The formula for computing the expected backorder of an item is as follows:

$$P(x) = \Sigma(x_i - s)p(x_i)$$

This means that the number of items (s) allocated to a depot repair line is subtracted from the different possible demands (x_i) and this result is multiplied by the probability of that level of demand $P(x_i)$, the sum of these computations for each base (total n) equal the total expected backorders for the indicated allocation of stock to the depot repair cycle. Dividing this by the number of bases involved gives the average expected

backorder for the particular item in the system.

As mentioned earlier, the marginal analysis approach to a requirements computation must allocate investment dollars to the items being considered. The basis for the allocation is the impact on the performance measure (e.g., expected backorders) for each item. For each item the effect on expected backorders of adding one more unit can be determined. The reduction in backorders associated with having one more unit in the system is divided by the cost of the additional unit to obtain a "Reduction in the expected backorders per dollars invested" value. When this value has been computed for all items in the system, allocations to repair priority can be made on the basis of the item offering the largest reduction in expected backorders per dollar. A new "marginal value" in terms of the reduction in expected backorders per dollar for the next unit of the selected item is computed and the allocation process continues. At every step, the allocation is to the unit offering the greatest reduction in expected backorders per dollar.

The marginal analysis process so far described assumes equal 'essentiality' among items, which is not the case in reality. To cater for this, a sequence of target support levels has been established to provide

the desired support level to the computation. The desired support levels are expressed in terms of the 'marginal value' for reduction in expected backorders per dollar for the item. These values are called the System Shadow Prices (SSP) for that item. Figure 13 shows the system shadow prices and how they relate to the reduction in expected backorders for units of an item. The first System Shadow Price (SSP) establishes the minimum support level and thus maintains the minimum number of units for that item for the requirements computation. Each succeeding System Shadow Price provides for increased support for the items up to SSP4 which sets the upper limit on the number of units to be repaired. Thus by selection of an appropriate SSP level, a budget may reflect different preset support levels for items.

HQ AFLC studies (11) into the use of marginal analysis have given results which, in terms of support capability for a given dollar outlay, show a markedly significant improvement over the present D041 Requirement Computation System (12). As well as the primary aim of the model to priorities, (and therefore provide a validation basis), for funding, the model will include the facility for allowing user changes in the budget

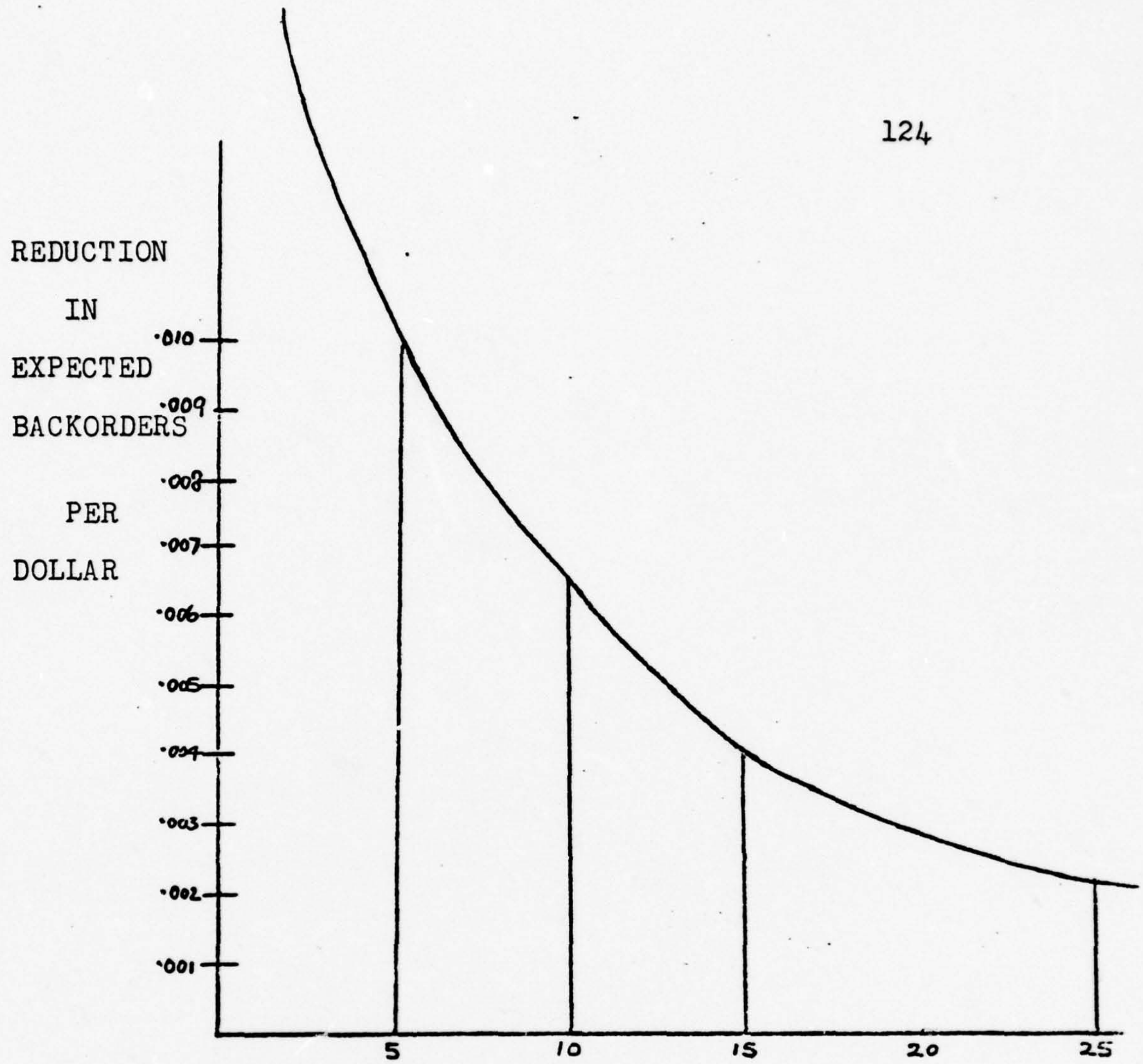


Figure 13

Depot Purchased Equipment Maintenance - System Shadow Prices (19)

constraints or priorities during operation of the budget. A singular budget figure has been assumed and quoted in the exposition so far but, depending on the requirements of the user, the figure will be subtotalled or broken down by ALC, RGC, or whatever sub-division changes are envisioned during operation of the budget.

APPENDIX M

PROGRAM LISTINGS FOR THE MODEL

CATALOG/FILE DESCRIPTION= OM/PCRANK.S

```
10#M,R(AC) 1,8,16;\,12,30
20$:IDENT:WP0964,ADDRL/HILLIS B D  72498  PCRANK.S
30$:LIMITS:15,,,9K
40$:OPTION:NOMAP
50$:COBOL:DECK
60$:PRMFL:C*,W,S,WORKM/PCRANK.O
70:IDENTIFICATION DIVISION.
80:PROGRAM-ID. PCRANK.
90:ENVIRONMENT DIVISION.
100:CONFIGURATION SECTION.
110:SPECIAL-NAMES.
120\COMPILE ERRORS.
130:INPUT-OUTPUT SECTION.
140:FILE-CONTROL.
150\SELECT FILE-IN ASSIGN TO AA.
160\SELECT FILE-OUT ASSIGN TO AB.
170:I-O-CONTROL.
180\APPLY STANDARD ON FILE-IN FILE-OUT.
190:DATA DIVISION.
200:FILE SECTION.
210:FD FILE-IN
220\LABEL RECORDS STANDARD.
230:01 INREC.
240\03 PC-I\PIC XXXX.
250\03 FY-I\PIC 99.
260\03 RGC-I\PIC X.
270\03 KS-I\PIC X(10).
280\03 MDS-I\PIC X(10).
290\03 WBS-I.
300\  05 FILL\PIC X.
310\  05 WBSC\PIC XX.
320\  05 FILL\PIC XX.
330\03 RID-I.
340\  05 MEM\PIC 99.
350\  05 TYPE\PIC 99.
360\  05 FILL\PIC 99.
370\03 FILLER\PIC X.
380\03 CUS-I\PIC XXX.
390\03 FILLER\PIC X(12).
400\03 DOLS-I\PIC 9(7).
410\03 FILLER\PIC X(6).
420\03 MCODE\PIC X.
430\03 FILLER\PIC X(4).
440:FD FILE-OUT
450\LABEL RECORDS STANDARD.
460:01 OUTREC.
470\03 PC\PIC XXXX.
480\03 WBS\PIC X(5).
490\03 CUS\PIC XXX.
500\03 RGC\PIC X.
510\03 MDS\PIC X(10).
520\03 KS\PIC X(10).
530\03 D\PIC 9(7).
540\03 FILLER\PIC XX VALUE SPACES.
550:WORKING-STORAGE SECTION.
560:77 INCTR\PIC 9(7) VALUE 0 COMP-1.
570:77 OTCTR\PIC 9(7) VALUE 0 COMP-1.
```

```
77 DISCTR\PIC Z(6)9.
77 PCTR\PIC 99 VALUE 0 COMP-1.
77 PARMREC\PIC X(12).
77 DSUB\PIC Z9.
77 SUB\PIC 99 VALUE 1 COMP-1.
01 PC-HOLD.
    03 ALC\PIC X.
    88 AL VALUES "D" "E" "P" "H" "J".
    03 REST\PIC XXX.
01 MATCH.
    03 MCTR\PIC 9(7) OCCURS 40 COMP-1.
01 PAR-REC.
    02 PREC OCCURS 40.
    03 PFY\PIC 99.
    03 FILLER\PIC X.
    03 PWBS\PIC XX.
    03 FILLER\PIC X.
    03 PCUS\PIC XXX.
    03 FILLER\PIC X.
    03 PRID\PIC 99.
PROCEDURE DIVISION.
START-0.
    OPEN INPUT FILE-IN OUTPUT FILE-OUT.
    MOVE ZERO TO MATCH.
PARM-5.
    ACCEPT PARMREC.
    IF PARMREC = SPACES
    GO TO READ-10.
    ADD 1 TO PCTR.
    MOVE PCTR TO DSUB.
    DISPLAY "PARAMETER " DSUB " = " PARMREC.
    MOVE PARMREC TO PREC (PCTR).
    GO TO PARM-5.
READ-10.
    READ FILE-IN AT END GO TO END-90.
    MOVE PC-I TO PC-HOLD.
    ADD 1 TO INCTR.
    IF NOT AL GO TO READ-10.
    IF MEM = 0 AND MCODE = "1" GO TO READ-10.
CHECK-11.
    IF PFY (SUB) = ZERO GO TO P-11.
    IF PFY (SUB) NOT = FY-I GO TO P-15.
P-11.
    IF PWBS (SUB) = ZERO GO TO P-12.
    IF PWBS (SUB) NOT = WBSC GO TO P-15.
P-12.
    IF PCUS (SUB) = ZERO GO TO P-13.
    IF PCUS (SUB) NOT = CUS-I GO TO P-15.
P-13.
    IF PRID (SUB) = ZERO GO TO P-14.
    IF PRID (SUB) NOT = TYPE GO TO P-15.
P-14.
    MOVE PC-I TO PC MOVE MDS-I TO MDS.
    MOVE CUS-I TO CUS.
    MOVE KS-I TO KS.
    MOVE RGC-I TO RGC.
    MOVE WBS-I TO WBS.
    PERFORM READ-10.
    IF TYPE NOT = 2 GO TO READ-10.
    MOVE DOLS-I TO D.
```

```
1180\ADD 1 TO OTCTR.
1190\ADD 1 TO MCTR (SUB).
1200\MOVE 1 TO SUB.
1210\WRITE OUTREC.
1220\GO TO READ-10.
1230:P-15.
1240\ADD 1 TO SUB.
1250\IF SUB > PCTR MOVE 1 TO SUB GO TO READ-10.
1260\GO TO CHECK-11.
1270:END-90.
1280\MOVE INCTR TO DISCTR.
1290\DISPLAY "NO. OF RECORDS READ = " DISCTR.
1300\MOVE OTCTR TO DISCTR.
1310\DISPLAY "NO. OF MATCHES = " DISCTR.
1320\MOVE 1 TO SUB.
1330:TOTAL-91.
1340\MOVE SUB TO DSUB.
1350\MOVE MCTR (SUB) TO DISCTR.
1360\DISPLAY "NO. OF MATCHES FOR PARAMETER " DSUB
1370\" = " DISCTR.
1380\ADD 1 TO SUB.
1390\IF SUB NOT > PCTR GO TO TOTAL-91.
1400\CLOSE FILE-IN FILE-OUT.
1410\STOP RUN.
1420$:ENDJOB
```

CATALOG/FILE DESCRIPTION= OM/PCALL.S

```
10#$M,R(AC) ;,8,16;\,12,30
20$:IDENT:WP0964,ADDRL/HILLIS E D  72498  PCALL.S
30$:LIMITS:15,,,9K
40$:OPTION:NOMAP
50$:COBOL:DECK
60$:PRMFL:C*,W,S,WORKN/PCALL.O
70:IDENTIFICATION DIVISION.
80:PROGRAM-ID. PCALL.
90:ENVIRONMENT DIVISION.
100:CONFIGURATION SECTION.
110:SPECIAL-NAMES.
120\COMPILE ERRORS.
130:FILE-CONTROL.
140\SELECT INFILE ASSIGN TO AA.
150\SELECT JKL-FILE ASSIGN TO AB.
160\SELECT OTFILE ASSIGN TO BB.
170:I-O-CONTROL.
180\APPLY STANDARD ON INFILE JKL-FILE OTFILE.
190:DATA DIVISION.
200:FILE SECTION.
210:FD INFILE
220\LABEL RECORDS STANDARD.
230:01 INREC.
240\03 FILLER\PIC X(42).
250:FD OTFILE
260\LABEL RECORDS STANDARD.
270:01 OTREC.
280\03 FILLER\PIC X(36).
290:FD JKL-FILE
300\LABEL RECORDS STANDARD.
310:01 JKL-REC.
320\03 FILLER\PIC X(42).
330:WORKING-STORAGE SECTION.
340:77 INCTR\PIC 9(7) VALUE 0 COMP-1.
350:77 JKL-CTR\PIC 9(7) VALUE 0 COMP-1.
360:77 OTCTR\PIC 9(7) VALUE 0 COMP-1.
370:77 DISCTR\PIC Z(6)9.
380:77 SUB1\PIC 9(7) VALUE 1 COMP-1.
390:77 SUB2\PIC 9(7) VALUE 1 COMP-1.
400:77 NOMTCH\PIC 9(7) VALUE 0 COMP-1.
410:01 REC-IN.
420\03 PC-I\PIC X(4).
430\03 WBS-I.
440\  05 FILL\PIC X.
450\  05 WBSC-I\PIC XX.
460\  05 FILL\PIC XX.
470\03 CUS-I\PIC XXX.
480\03 RGC-I\PIC X.
490\03 MDS-I\PIC X(10).
500\03 FILLER\PIC X(10).
510\03 D-I\PIC 9(7).
520\03 FILLER\PIC XX.
530:01 REC-OT.
540\03 PC\PIC X(4).
550\03 WBS\PIC X(5).
560\03 CUS\PIC XXX.
570\03 RGC\PIC X.
```

```
\03 MDS\PIC X(10).
\03 D\PIC 9(7).
\03 PPIC\PIC XX.
\03 FILLER\PIC X(4) VALUE SPACES.
:01 T1.
\03 FILLER\PIC X(30) VALUE
\"AFRANGDAFDIPFWFMACMAPMASSYSSYT".
:01 CUS-T REDEFINES T1.
\03 CUSCODE\PIC XXX OCCURS 10.
:01 T2.
\03 FILLER\PIC X(20) VALUE
\"28BCBFBJDHLCLGNEFEXJ".
:01 WBSC-T REDEFINES T2.
\03 WBSCODE\PIC XX OCCURS 10.
:01 T3.
\03 FILL1\PIC X(20) VALUE
\"00000100000000000200".
\03 FILL2\PIC X(20) VALUE
\"00002425000000000000".
\03 FILL3\PIC X(20) VALUE
\"00080900000010001100".
\03 FILL4\PIC X(20) VALUE
\"00000300000000000405".
\03 FILL5\PIC X(20) VALUE
\"00000000001400000000".
\03 FILL6\PIC X(20) VALUE
\"26272800000000002900".
\03 FILL7\PIC X(20) VALUE
\"15161700180000001900".
\03 FILL8\PIC X(20) VALUE
\"12130000000600000000".
\03 FILL9\PIC X(20) VALUE
\"20212200000023000000".
\03 FILL10\PIC X(20) VALUE
\"00000000000006070000".
:01 TAB REDEFINES T3.
\03 FILLER OCCURS 10.
\   05 PRI\PIC XX OCCURS 10.
:01 DIST-TAB.
\03 CDIST\PIC 9(7) OCCURS 10 COMP-1.
\03 WDIST\PIC 9(7) OCCURS 10 COMP-1.
:01 RGC-TEST.
\03 RGC-TS\PIC X.
\88 EXCH VALUES ARE "J" "K" "L".
:PROCEDURE DIVISION.
:START-0.
\OPEN INPUT INFILE OUTPUT JKL-FILE OTFILE.
\MOVE ZERO TO DIST-TAB.
:READ-10.
\READ INFILE AT END GO TO END-99.
\MOVE INREC TO REC-IN.
\ADD 1 TO INCTR.
\MOVE RGC-I TO RGC-TS.
\IF EXCH GO TO WRITE-50.
:CUS-CHK-20.
\IF CUS-I = CUSCODE (SUB1)
\ADD 1 TO CDIST (SUB1)
\GO TO WBS-CHK-30.
\ADD 1 TO SUB1.
\IF SUB1 < 11 GO TO CUS-CHK-20.
```

```
1180\ADD 1 TO NOMTCH.
1190\MOVE 1 TO SUB1 SUB2.
1200\GO TO READ-10.
1210:WBS-CHK-30.
1220\IF WBSC-I = WBSCODE (SUB2)
1230\ADD 1 TO WDIST (SUB2)
1240\GO TO MOVE-40.
1250\ADD 1 TO SUB2.
1260\IF SUB2 < 11 GO TO WBS-CHK-30.
1270\ADD 1 TO NOMTCH.
1280\MOVE 1 TO SUB1 SUB2.
1290\GO TO READ-10.
1300:MOVE-40.
1310\MOVE PRI (SUB2 SUB1) TO PPIC.
1320\MOVE PC-I TO PC MOVE WBS-I TO WBS.
1330\MOVE CUS-I TO CUS MOVE MDS-I TO MDS.
1340\MOVE RGC-I TO RGC.
1350\MOVE D-I TO D.
1360\ADD 1 TO OTCTR.
1370\WRITE OTREC FROM REC-OT.
1380\MOVE 1 TO SUB1 SUB2.
1390\GO TO READ-10.
1400:WRITE-50.
1410\ADD 1 TO JKL-CTR.
1420\WRITE JKL-REC FROM REC-IN.
1430\GO TO READ-10.
1440:END-90.
1450\DISPLAY " ".
1460\MOVE INCTR TO DISCTR.
1470\DISPLAY "NO. OF RECORDS READ = " DISCTR.
1480\MOVE JKL-CTR TO DISCTR.
1490\DISPLAY "NO. OF JKL RECORDS WRITTEN = " DISCTR.
1500\MOVE OTCTR TO DISCTR.
1510\DISPLAY "NO. OF OMEI RECORDS WRITTEN = " DISCTR.
1520\MOVE NOMTCH TO DISCTR.
1530\DISPLAY "NO. OF NON-MATCHES = " DISCTR.
1540\DISPLAY " ".
1550\DISPLAY "DISTRIBUTION OF WBS AND CUS".
1560\MOVE 1 TO SUB1 SUB2.
1570:DUMP-95.
1580\MOVE CDIST (SUB1) TO DISCTR.
1590\DISPLAY "NO. OF MATCHES FOR " CUSCODE (SUB1) " = " DISCTR.
1600\ADD 1 TO SUB1.
1610\IF SUB1 < 11 GO TO DUMP-95.
1620\DISPLAY " ".
1630:DUMP-96.
1640\MOVE WDIST (SUB2) TO DISCTR.
1650\DISPLAY "NO. OF MATCHES FOR " WBSCODE (SUB2) " = " DISCTR.
1660\ADD 1 TO SUB2.
1670\IF SUB2 < 11 GO TO DUMP-96.
1680\CLOSE INFILE JKL-FILE OTFILE.
1690\STOP RUN.
1700$:ENDJOB
```

CATALOG/FILE DESCRIPTION= WORKN/PCRANK,R

```
10##M,R(AC) :,8,16;\,12,30
20$:IDENT:WP0964,ADDRL/WILLIS H D  72498  PCRANK,R
30$:LIMITS:15,,,9K
40$:OPTION:COBOL,NOMAP
50$:SELECT:WORKN/PCRANK,O
60$:EXECUTE
70$:LIMITS:15,,,2K
80$:FILE:AB,A1S,5L
90$:TAPE:AA,X1DD,,71115,,MASTER1
100$:DATA:I*
110#75,28,000,01
120#75,BC,000,01
130#75,BF,000,01
140#75,BJ,000,01
150#75,DH,000,01
160#75,LC,000,01
170#75,LG,000,01
180#75,NE,000,01
190#75,RE,000,01
200#75,XJ,000,01
210#
220$:OPTION:COBOL,NOMAP
230$:SELECT:WORKN/PCALL,O
240$:EXECUTE
250$:LIMITS:15,,,2K
260$:FILE:AA,A1R,5L
270$:PRMFL:BB,W,S,WORKN/OMEI
280$:PRMFL:AB,W,S,WORKN/EXCH
290$:OPTION:FCB,NOMAP
300$:SELECT:WORKN/LISTV2,O
310$:EXECUTE
320$:LIMITS:,5K
330D1000
340$:PRMFL:07,R,S,WORKN/OMEI
350$:SYSOUT:06
360$:ENDJOB
```

CATALOG/FILE DESCRIPTION= OM/PCCOMP.S

```
0010##M,R(AC) :,8,16)\,12.30
0020$:IDENT:WP0964,ADDRL/HILLIS H D  72498  PCCOMP.S
0030$:LIMITS:15,,,9K
0040$:OPTION:NOMAP
0050$:COBOL:DECK
0060$:PRMFL:C*,W,S,WORKN/PCCOMP.O
0070:IDENTIFICATION DIVISION.
0080:PROGRAM-ID. PCCOMP.
0090:ENVIRONMENT DIVISION.
0100:CONFIGURATION SECTION.
0110:SPECIAL-NAMES.
0120\COMPILE ERRORS.
0130:INPUT-OUTPUT SECTION.
0140:FILE-CONTROL.
0150\SELECT OMEIFILE ASSIGN TO AA.
0160\SELECT EXCHFILE ASSIGN TO AB.
0170\SELECT OTOMEI ASSIGN TO BA.
0180\SELECT OTEXCH ASSIGN TO BB.
0190:I-O-CONTROL.
0200\APPLY STANDARD ON OMEIFILE EXCHFILE OTOMEI OTEXCH.
0210:DATA DIVISION.
0220:FILE SECTION.
0230:FD OMEIFILE
0240\LABEL RECORDS STANDARD.
0250:01 OMEIREC.
0260\03 FILLER\PIC X(42).
0270:FD EXCHFILE
0280\LABEL RECORDS STANDARD.
0290:01 EXCHREC.
0300\03 FILLER\PIC X(42).
0310:FD OTOMEI
0320\LABEL RECORDS STANDARD.
0330:01 OTOREC.
0340\03 FILLER\PIC X(42).
0350:FD OTEXCH
0360\LABEL RECORDS STANDARD.
0370:01 OTEREC.
0380\03 FILLER\PIC X(42).
0390:WORKING-STORAGE SECTION.
0400:77 INCNT\PIC 9(7) VALUE 0 COMP-1.
0410:77 OTCNT\PIC 9(7) VALUE 0 COMP-1.
0420:77 DISCNT\PIC Z(6)9.
0430:01 HOLD-OMEI.
0490\03 CUS-NO\PIC XXX.
0450\03 WBS-NO.
0460\  05 FILL\PIC X.
0470\  05 WBSC-NO\PIC XX.
0480\  05 FILL\PIC XX.
0440\03 PC-NO\PIC X(4).
0500\03 FILL\PIC X(22).
0510\03 D-NO\PIC 9(7).
0520\03 FILL\PIC X.
0530:01 HOLD-EXCH.
0590\03 CUS-NE\PIC XXX.
0550\03 WBS-NE.
0560\  05 FILL\PIC X.
0570\  05 WBSC-NE\PIC XX.
```

```
0560\  05 FILL\PIC XX.
0540\03 PC-HE\PIC X(4).
0600\03 FILL\PIC X(22).
0610\03 D-HE\PIC 9(7).
0620\03 FILL\PIC X.
0630:01 OMREC.
0690\03 CUS-IO\PIC XXX.
0650\03 WBS-IO.
0660\  05 FILL\PIC X.
0670\  05 WBSC-IO\PIC XX.
0680\  05 FILL\PIC XX.
0640\03 PC-IO\PIC X(4).
0700\03 FILL\PIC X(22).
0710\03 D-IO\PIC 9(7).
0720\03 FILL\PIC X.
0730:01 EXREC.
0790\03 CUS-IE\PIC XXX.
0750\03 WBS-IE.
0760\  05 FILL\PIC X.
0770\  05 WBSC-IE\PIC XX.
0780\  05 FILL\PIC XX.
0740\03 PC-IE\PIC X(4).
0800\03 FILL\PIC X(22).
0810\03 D-IE\PIC 9(7).
0820\03 FILL\PIC X.
0830:PROCEDURE DIVISION.
0840:START-0.
0850\OPEN INPUT OMEIFILE OUTPUT OTOMEI.
0860\OPEN INPUT EXCHFILE OUTPUT OTEXCH.
0870:READ-10.
0880\READ OMEIFILE AT END ADD 1 TO OTCNT
0890\WRITE OTOREC FROM HOLD-OMEI
0900\GO TO END-20.
0910\ADD 1 TO INCNT.
0920\MOVE OMEIREC TO OMREC.
0930\IF INCNT = 1 MOVE OMREC TO HOLD-OMEI
0940\GO TO READ-10.
0950\IF PC-IO = PC-HO AND WBSC-IO = WBSC-HO
0960\AND CUS-IO = CUS-HO ADD D-IO TO D-HO
0970\GO TO READ-10.
0980\WRITE OTOREC FROM HOLD-OMEI.
0990\ADD 1 TO OTCNT.
1000\MOVE OMREC TO HOLD-OMEI.
1010\GO TO READ-10.
1020:END-20.
1030\DISPLAY " ".
1040\MOVE INCNT TO DISCNT.
1050\DISPLAY "NO. OF OMEI RECORDS READ = " DISCNT.
1060\MOVE OTCNT TO DISCNT.
1070\DISPLAY "NO. OF COMPRESSED OMEI WRITTEN = " DISCNT.
1080\DISPLAY " ".
1090\MOVE 0 TO INCNT OTCNT.
1100:READ-30.
1110\READ EXCHFILE AT END WRITE OTEREC FROM HOLD-EXCH
1120\ADD 1 TO OTCNT GO TO END-40.
1130\ADD 1 TO INCNT.
1140\MOVE EXCHREC TO EXREC.
1150\IF INCNT = 1 MOVE EXREC TO HOLD-EXCH
1160\GO TO READ-30.
1170\IF PC-IE = PC-HE AND WBSC-IE = WBSC-HE
```

```
1180\AND CUS-IE = CUS-HE ADD D-IE TO D-HE
1190\GO TO READ-30.
1200\WRITE OTEREC FROM HOLD-EXCH.
1210\ADD 1 TO OTCNT.
1220\MOVE EXREC TO HOLD-EXCH.
1230\GO TO READ-30.
1240:END-40.
1250\MOVE INCNT TO DISCNT.
1260\DISPLAY "NO. OF EXCH RECORDS READ = " DISCNT.
1270\MOVE OTCNT TO DISCNT.
1280\DISPLAY "NO. OF COMPRESSED EXCH RECORDS WRITTEN = " DISCNT.
1290\CLOSE OMFIFILE OTOMEI EXCHFILE OTEXCH.
1300\STOP RUN.
1310$:ENDJOB
```

CATALOG/FILE DESCRIPTION= WORKN/PCCOMP.R

```
10##N,R(AC)
20$:IDENT:[redacted],ADDRL/WILLIS H D 72498   PCCOMP.R
30$:LIMITS:15,,,9K
40$:OPTION:COBOL,NOMAP
50$:SELECT:WORKN/PCCOMP.O
60$:EXECUTE
70$:LIMITS:15,,,1K
80$:PRMFL:AA,R,S,WORKN/OMEI
90$:PRMFL:AB,R,S,WORKN/EXCH
100$:FILE:BA,B1S,2L
110$:FILE:BB,B2S,2L
120$:UTILITY
130$:FUTIL:CC,DD,COPY/1F/
140$:FUTIL:EE,FF,COPY/1F/
150$:FILE:CC,B1R,2L
160$:PRMFL:DD,W,S,WORKN/OMEI
170$:FILE:EE,B2R,2L
180$:PRMFL:FF,W,S,WORKN/EXCH
190$:OPTION:FCB,NOMAP
200$:SELECT:WORKN/LISTY2,O
210$:EXECUTE
220$:LIMITS:,5K
230D200
240$:PRMFL:07,R,S,WORKN/OMEI
250$:REMOTE:06,AC
260$:ENDJOB
```

CATALOG/FILE DESCRIPTION= OM/EXCH01,S

```
10#=M,R(AC) :,8,16;\,12,30
20$:IDENT:WP0964,ADDRL/HILLIS H D  72498  EXCH01,S
30$:LIMITS:15,,,9K
40$:OPTION:NOMAP
50$:COBOL:DECK
60$:PRMFL:C*,W,S,WORKN/EXCH01,O
70:IDENTIFICATION DIVISION.
80:PROGRAM-ID. EXCH01.
90:ENVIRONMENT DIVISION.
100:CONFIGURATION SECTION.
110:SPECIAL-NAMES.
120\COMPILE ERRORS.
130:INPUT-OUTPUT SECTION.
140:FILE-CONTROL.
150\SELECT FILE-01 ASSIGN TO AA.
160\SELECT FILE-EXCH ASSIGN TO AB.
170\SELECT OTFILE ASSIGN TO BB.
180:I-O-CONTROL.
190\APPLY STANDARD ON FILE-01 FILE-EXCH OTFILE.
200:DATA DIVISION.
210:FILE SECTION.
220:FD FILE-01
230\LABEL RECORDS STANDARD.
240: 1 REC-01.
250\ 3 FILLER\PIC X(234).
260:FD FILE-EXCH
270\LABEL RECORDS STANDARD.
280: 1 REC-EXCH.
290\ 3 FILLER\PIC X(42).
300:FD OTFILE
310\LABEL RECORDS STANDARD.
320: 1 OTREC.
330\ 3 FILLER\PIC X(42).
340:WORKING-STORAGE SECTION.
350:77 CNT-01\PIC 9(7) VALUE 0 COMP-1.
360:77 CNT-EXCH\PIC 9(7) VALUE 0 COMP-1.
370:77 CNT-NOMICH-EXCH\PIC 9(7) VALUE 0 COMP-1.
380:77 OTCNT\PIC 9(7) VALUE 0 COMP-1.
390:77 DISCNT\PIC Z(6)9.
400: 1 I-01.
410\ 3 FILLER\PIC X(4).
420\ 3 FSC-I\PIC X(4).
430\ 3 FILLER\PIC X(9).
440\ 3 MMC-I\PIC XX.
450\ 3 FILLER\PIC X(185).
460\ 3 ITEMEC\PIC XX.
470\ 3 FILLER\PIC X(28).
480: 1 EXREC.
490\ 3 FILLER\PIC X(23).
500\ 3 FSC-EX\PIC X(4).
510\ 3 FILLER\PIC X.
520\ 3 MMC-EX\PIC XX.
530\ 3 FILLER\PIC X(3).
540\ 3 D-EX\PIC 9(7).
550\ 3 IEC\PIC XX.
560: 1 HOLD-REC.
570\ 3 FILLER\PIC X(23).
```

```
580\ 3 FSC\PIC X(4).
590\ 3 FILLER\PIC X.
600\ 3 MMC\PIC XX.
610\ 3 FILLER\PIC X(10).
620\ 3 PRI\PIC XX.
630:PROCEDURE DIVISION.
640:START-0.
650\OPEN INPUT FILE-01 FILE-EXCH OUTPUT OTFILE.
660:READ-10.
670\READ FILE-EXCH AT END GO TO END-90.
680\ADD 1 TO CNT-EXCH.
690\MOVE REC-EXCH TO EXREC.
700:READ-20.
710\READ FILE-01 AT END GO TO END-CHECK.
720\ADD 1 TO CNT-01.
730\MOVE REC-01 TO I-01.
740\IF FSC-I = FSC-EX AND MMC-I = MMC-EX
750\MOVE ITEMREC TO IEC
760\MOVE EXREC TO HOLD-REC
770\WRITE OTREC FROM EXREC
780\ADD 1 TO OTCNT
790\GO TO COMPAR-100.
800\ADD 1 TO CNT-NOMTCH-EXCH.
810\GO TO READ-20.
820:END-CHECK.
830\DISPLAY "FSC/MMC NOT IN DEPOT DB..." FSC-EX "=" MMC-EX.
840\DISPLAY "EXCH RECORD = " EXREC.
850\PERFORM READ-10.
860\GO TO END-CHECK.
870:END-90.
880\MOVE CNT-01 TO DISCNT.
890\DISPLAY "NO. OF 01 RECORDS READ = " DISCNT.
900\MOVE CNT-EXCH TO DISCNT.
910\DISPLAY "NO. OF EXCH RECORDS READ = " DISCNT.
920\MOVE CNT-NOMTCH-EXCH TO DISCNT.
930\DISPLAY "NO. OF NON-MATCH 01 RECORDS = " DISCNT.
940\MOVE OTCNT TO DISCNT.
950\DISPLAY "NO. OF RECORDS WRITTEN = " DISCNT.
960\CLOSE FILE-01 FILE-EXCH OTFILE.
970\STOP RUN.
980:COMPAR-100.
990\PERFORM READ-10.
1000\IF FSC-EX = FSC AND MMC-EX = MMC
1010\MOVE PRI TO IEC
1020\MOVE EXREC TO HOLD-REC
1030\WRITE OTREC FROM EXREC
1040\ADD 1 TO OTCNT
1050\GO TO COMPAR-100.
1060\GO TO READ-20.
1070$:ENDJOB
```

CATALOG/FILE DESCRIPTION= WORKN/EXCH01.R

```
10##N.R(AC)
20$:IDENT:WP0964,ADDRL/HILLIS R D  72498  EXCH01.R
30$:LIMITS:15,,,9K
40$:GMAP:NDECK
50:600SM
60:SORT:INOUT,,7
70:FIELD:(C1,C22,C10,C9)
80:SEQ:(A1,A3)
90:FILCB:INOUT,**,2
100:END
110$:EXECUTE
120$:LIMITS:1,,,1K
130$:PRMFL:SA,R,S,WORKN/EXCH
140$:FILE:S1,S1R,1R
150$:FILE:S2,S2R,1R
160$:FILE:S3,S3R,1R
170$:FILE:SZ,A1S,1L
180$:GMAP:NDECK
190:600SM
200:SORT:INOUT,,39
210:FIELD:(C2,C2,C4,C9,C2)
220:SEQ:(A2,A3,A5)
230:PICK:SELECT,(2),(=4H  OC)
240:FILCB:INOUT,**,2
250:END
260$:EXECUTE
270$:LIMITS:15,,,2K
280$:MSG2:************************************************************
290$:MSG2:FILE DD801 USES 71965, 72919, 75766
300$:MSG2:************************************************************
310$:TAPE:SA,X1DD,,71965,,DD801
320$:FILE:S1,S1R,100R
330$:FILE:S2,S2R,100R
340$:FILE:S3,S3R,100R
350$:FILE:S4,S4R,100R
360$:FILE:S5,S5R,100R
370$:FILE:S6,S6R,100R
380$:TAPE:SZ,X2SD,,72955,,EXC1TAPE/RING
390$:OPTION:COBOL,NOMAP
400$:SELECT:WORKN/EXCH01.O
410$:EXECUTE
420$:LIMITS:15,,,2K
430$:TAPE:AA,X2DD,,72955,,EX01TAPE/RING
440$:FILE:AB,A1R,1L
450$:PRMFL:BB,W,S,WORKN/EXCH
460$:ENDJOB
```

CATALOG/FILE DESCRIPTION= OM/EXCH12,S

```
10##M,R(AC) :,8,16;\,12,30
20$:IDENT:WP0964,ADDRL/HILLIS H D 72498  EXCH12.S
30$:LIMITS:15,,,9K
40$:OPTION:NOMAP
50$:COBOL:DECK
60$:PRMFL:C*,W,S,WORKN/EXCH12,O
70:IDENTIFICATION DIVISION.
80:PROGRAM-ID. EXCH12.
90:ENVIRONMENT DIVISION.
100:CONFIGURATION SECTION.
110:SPECIAL-NAMES.
120\COMPILE ERRORS.
130:INPUT-OUTPUT SECTION.
140:FILE-CONTROL.
150\SELECT FILE-12 ASSIGN TO AA.
160\SELECT FILE-EXCH ASSIGN TO AB.
170\SELECT OTFILE ASSIGN TO 58.
180:I-O-CONTROL.
190\APPLY STANDARD ON FILE-12 FILE-EXCH OTFILE.
200:DATA DIVISION.
210:FILE SECTION.
220:FD FILE-12
230\LABEL RECORDS STANDARD.
240: 1 REC-12.
250\ 3 FILLER\PIC X(140).
260:FD FILE-EXCH
270\LABEL RECORDS STANDARD.
280: 1 EXCH-REC.
290\ 3 FILLER\PIC X(42).
300:FD OTFILE
310\LABEL RECORDS STANDARD.
320: 1 OTREC.
330\ 3 FILLER\PIC X(48).
340:WORKING-STORAGE SECTION.
350:77 CNT12\PIC 9(7) VALUE 0 COMP-1.
360:77 EXCNT\PIC 9(7) VALUE 0 COMP-1.
370:77 DISCNT\PIC Z(6)9.
380:77 NOEXCNT\PIC 9(7) VALUE 0 COMP-1.
390:77 OTCNT\PIC 9(7) VALUE 0 COMP-1.
400: 1 I-12.
410\ 3 FILLER\PIC X(4).
420\ 3 FSC-I\PIC X(4).
430\ 3 FILLER\PIC X(9).
440\ 3 MMC-I\PIC XX.
450\ 3 FILLER\PIC X(8).
460\ 3 PRFUN\PIC 9(6).
470\ 3 FILLER\PIC X(6).
480\ 3 PRFUNADD\PIC 9(6).
490\ 3 CON\PIC 9(6).
500\ 3 CONADD\PIC 9(6).
510\ 3 GFAE\PIC 9(6).
520\ 3 FILLER\PIC X(77).
530: 1 EXREC.
540\ 3 FILLER\PIC X(23).
550\ 3 FSC-EX\PIC X(4).
560\ 3 FILLER\PIC X.
570\ 3 MMC-EX\PIC XX.
```

```
580\03 FILLER\PIC X(12).
590:01 HOLD-REC.
600:  02 HEX-REC.
610\03 FILLER\PIC X(23).
620\03 FSC\PIC X(4).
630\03 FILLER\PIC X.
640\03 MMC\PIC XX.
650\03 FILLER\PIC X(12).
660:  02 DUE-IN\PIC 9(6).
670:01 DATA-12.
680\03 IA\PIC 9(6) COMP-1.
690\03 IB\PIC 9(6) COMP-1.
700\03 IC\PIC 9(6) COMP-1.
710\03 IE\PIC 9(6) COMP-1.
720\03 IG\PIC 9(6) COMP-1.
730\03 ISUM\PIC 9(6) COMP-1.
740:PROCEDURE DIVISION.
750:START-C.
760\OPEN INPUT FILE-12 FILE-EXCH.
770\OPEN OUTPUT OTFILE.
780:READ-10.
790\READ FILE-EXCH AT END GO TO END-90.
800\ADD 1 TO EXCNT.
810\MOVE EXCH-REC TO EXREC.
820:READ-20.
830\READ FILE-12 AT END GO TO END-CHECK.
840\ADD 1 TO CNT12.
850\MOVE REC-12 TO I-12.
860\IF FSC-I = FSC-EX AND MMC-I = MMC-EX
870\MOVE PRFUN TO IA MOVE PRFUNADD TO IB
880\MOVE CON TO IC MOVE CONADD TO IE
890\MOVE GPAE TO IG GO TO ENTER-40.
900\ADD 1 TO NOEXCNT.
910\GO TO READ-20.
920:ENTER-40.
930\ADD IA IB IC IE IG GIVING ISUM.
940\MOVE ISUM TO DUE-IN.
950\MOVE EXREC TO HEX-REC.
960\WRITE OTREC FROM HOLD-REC.
970\ADD 1 TO OTCNT.
980:COMPAR-30.
990\PERFORM READ-10.
1000\IF FSC-EX = FSC AND MMC-EX = MMC
1010\MOVE EXREC TO HEX-REC
1020\WRITE OTREC FROM HOLD-REC
1030\ADD 1 TO OTCNT
1040\GO TO COMPAR-30.
1050\GO TO READ-20.
1060:END-CHECK.
1070\MOVE EXREC TO HEX-REC.
1080\MOVE 0 TO DUE-IN.
1090\WRITE OTREC FROM HOLD-REC.
1100\PERFORM READ-10.
1110\MOVE 0 TO CNT12.
1120\CLOSE FILE-12.
1130\OPEN INPUT FILE-12.
1140\GO TO READ-20.
1150:END-90.
1160\MOVE CNT12 TO DISCNT.
1170\DISPLAY "NO. OF 12 RECORDS READ = " DISCNT.
```

```
1180\MOVE EXCNT TO DISCNT.
1190\DISPLAY "NO. OF EXCH RECORDS READ = " DISCNT.
1200\MOVE OTCNT TO DISCNT.
1210\DISPLAY "NO. OF RECORDS WRITTEN = " DISCNT.
1220\MOVE NOEXCNT TO DISCNT.
1230\DISPLAY "NO. OF NON-MATCH 12 RECORDS = " DISCNT.
1240\CLOSE FILE-12 FILE-EXCH OTFILE.
1250\STOP RUN.
1260$:ENDJOB
```

CATALOG/FILE DESCRIPTION= OM/EXCH29.S

```
10##M,R(AC) :,8,16;\,12,30
20$:IDENT:WP0964,ADDRL/MILLIS M D  72498  EXCH29.S
30$:LIMITS:15,,,9K
40$:OPTION:NOMAP
50$:COBOL:DECK
60$:PRMFL:C*,W,S,WORKN/EXCH29.O
70:IDENTIFICATION DIVISION.
80:PROGRAM-ID. EXCH29.
90:ENVIRONMENT DIVISION.
100:CONFIGURATION SECTION.
110:SPECIAL-NAMES.
120\COMPILE ERRORS.
130:INPUT-OUTPUT SECTION.
140:FILE-CONTROL.
150\SELECT FILE-29 ASSIGN TO AA.
160\SELECT FILE-EXCH ASSIGN TO AB.
170\SELECT OTFILE ASSIGN TO B8,
180:I-O-CONTROL.
190\APPLY STANDARD ON FILE-29 FILE-EXCH OTFILE.&
200:DATA DIVISION.
210:FILE SECTION.
220:FD FILE-29
230\LABEL RECORDS STANDARD.
240:01 REC-29.
250\03 FILLER\PIC X(130).
260:FD FILE-EXCH
270\LABEL RECORDS STANDARD.
280:01 EXCH-REC.
290\03 FILLER\PIC X(48).
300:FD OTFILE
310\LABEL RECORDS STANDARD.
320:01 OTREC.
330\03 FILLER\PIC X(48).
340:WORKING-STORAGE SECTION.
350:77 CNT29\PIC 9(7) VALUE 0 COMP-1.
360:77 EXCNT\PIC 9(7) VALUE 0 COMP-1.
370:77 OTCNT\PIC 9(7) VALUE 0 COMP-1.
380:77 NOEXCNT\PIC 9(7) VALUE 0 COMP-1.
390:77 DISCNT\PIC Z(6)9.
400:01 I-29.
410:  02 FILLER\PIC X(4).
420:  02 FSC-I\PIC X(4).
430:  02 FILLER\PIC X(9).
440:  02 MMC-I\PIC XX.
450:  02 ASSETS.
460\03 SERB\PIC 9(6).
470\03 SERC\PIC 9(6).
480\03 SERA\PIC 9(6).
490\03 SERI\PIC 9(6).
500\03 UNSERB\PIC 9(6).
510\03 UNSERC\PIC 9(6).
520\03 UNSERA\PIC 9(6).
530\03 UNSERI\PIC 9(6).
540\03 UNSERD\PIC 9(6).
550:  02 FILLER\PIC X(30).
560:  02 DOTM\PIC 9(6).
570:  02 FILLER\PIC X(21).
```

```
580:01 EXREC.
590:  02 NEXREC.
600\03 FILLER\PIC X(23).
610\ 3 FSC-EX\PIC X(4).
620\ 3 FILLER\PIC X.
630\ 3 MMC-EX\PIC XX.
640\ 3 FILLER\PIC X(12).
650:  02 STOCK\PIC 9(6).
660:01 DATA-29.
670:  02 JET.&
680\ 3 JA\PIC 9(6) COMP-1.
690\ 3 JB\PIC 9(6) COMP-1.
700\ 3 JC\PIC 9(6) COMP-1.
710\ 3 JD\PIC 9(6) COMP-1.
720\ 3 JE\PIC 9(6) COMP-1.
730\ 3 JF\PIC 9(6) COMP-1.
740\ 3 JG\PIC 9(6) COMP-1.
750\ 3 JH\PIC 9(6) COMP-1.
760\ 3 JI\PIC 9(6) COMP-1.
770:  02 JDO\PIC 9(6) COMP-1.
780:  02 JDI\PIC 9(6) COMP-1.
790:  02 JSL\PIC 9(6) COMP-1.
800:  02 JJ\PIC 9(6) COMP-1.
810:01 HOLD-REC.
820:  02 NEX-REC.
830\ 3 FILLER\PIC X(23).
840\ 3 FSC\PIC X(4).
850\03 FILLER\PIC X.
860\ 3 MMC\PIC XX.
870\03 FILLER\PIC X(12).
880:  02 STK\PIC 9(6).
890:PROCEDURE DIVISION.
900:START-0.
910\OPEN INPUT FILE-29 FILE-EXCH OUTPUT OTFILE.
920:READ-10.
930\READ FILE-EXCH AT END GO TO END-90.
940\ADD 1 TO EXCNT.
950\MOVE EXCH-REC TO EXREC.
960:READ-20.
970\READ FILE-29 AT END GO TO END-CHECK.
980\ADD 1 TO CNT29.
990\MOVE REC-29 TO I-29.
1000\IF FSC-I = FSC-EX AND MMC-I = MMC-EX
1010\MOVE ASSETS TO JET MOVE DOTM TO JDO
1020\MOVE STOCK TO JDI GO TO ENTER-30.
1030\ADD 1 TO NOEXCNT.
1040\GO TO READ-20.
1050:ENTER-30.
1060\ADD JA JB JC JD JE JF JG JH JI GIVING JJ.
1070\COMPUTE JSL = JJ + JDI - JDO
1080\MOVE JSL TO STOCK.
1090\MOVE EXREC TO HOLD-REC.
1100\WRITE OTREC FROM EXREC.
1110\ADD 1 TO OTCNT.
1120:COMPAR-40.
1130\PERFORM READ-10.
1140\IF FSC-EX = FSC AND MMC-EX = MMC
1150\MOVE NEXREC TO NEX-REC
1160\WRITE OTREC FROM HOLD-REC
1170\ADD 1 TO OTCNT
```

```
1180\GO TO COMPAR-40.
1190\GO TO READ-20.
1200:END-CHECK.
1210\WRITE OTREC FROM EXREC.
1220\ADD 1 TO OTCNT.
1230\PERFORM READ-10.
1240\MOVE 0 TO CNT29.
1250\CLOSE FILE-29.
1260\OPEN INPUT FILE-29.
1270\GO TO READ-20.
1280:END-90.
1290\MOVE CNT29 TO DISCNT.
1300\DISPLAY "NO. OF 29 REC READ = " DISCNT.
1310\MOVE EXCNT TO DISCNT.
1320\DISPLAY "NO. OF EXCH REC READ = " DISCNT.
1330\MOVE NOEXCNT TO DISCNT.
1340\DISPLAY "NO. OF NON-MATCH 29 REC = " DISCNT.
1350\MOVE OTCNT TO DISCNT.
1360\DISPLAY "NO. OF REC WRITTEN = " DISCNT.
1370\CLOSE FILE-29 FILE-EXCH OTFILE.
1380\STOP RUN.
1390$:ENDJOB
```

CATALOG/FILE DESCRIPTION= WORKN/EX1229.R

```
10##N,R(AC)
20$:IDENT:WP0764,ADDRL/HILLIS H D  72498  EX1229,R
30$:LIMITS:15,,,9K
40$:GMAP:NDECK
50:600SM
60:SORT:INOUT,,24
70:FIELD:(C2,C2,C4,C9,C2)
80:SEQ:(A2,A3,A5)
90:PICK:SELECT,(2),(=4H  0C)
100:FILCB:INOUT,**,2
110:END
120$:EXECUTE
130$:LIMITS:15,,,2K
140$:TAPE:SA,X1DD,,75501,,DD812
150$:FILE:S1,S1R,100R
160$:FILE:S2,S2R,100R
170$:FILE:S3,S3R,100R
180$:FILE:S4,S4R,100R
190$:FILE:S5,S5R,100R
200$:FILE:S6,S6R,100R
210$:TAPE:SZ,X2SD
220$:OPTION:COBOL,NOMAP
230$:SELECT:WORKN/EXCH12.0
240$:EXECUTE
250$:LIMITS:15,,,2K
260$:TAPE:AA,X2SD
270$:PRMFL:AB,R,S,WORKN/EXCH
280$:FILE:BB,B1S,1L
290$:GMAP:NDECK
300:600SM
310:SORT:INOUT,,22
320:FIELD:(C2,C2,C4,C9,C2)
330:SEQ:(A2,A3,A5)
340:PICK:SELECT,(2),(=4H  0C)
350:FILCB:INOUT,**,2
360:END
370$:EXECUTE
380$:LIMITS:15,,,2K
390$:TAPE:SA,X3DD,,74472,,DD829
400$:FILE:S1,S1R,100R
410$:FILE:S2,S2R,100R
420$:FILE:S3,S3R,100R
430$:FILE:S4,S4R,100R
440$:FILE:S5,S5R,100R
450$:FILE:S6,S6R,100R
460$:TAPE:SZ,X2SD
470$:OPTION:COBOL,NOMAP
480$:SELECT:WORKN/EXCH29.0
490$:EXECUTE
500$:LIMITS:15,,,2K
510$:TAPE:AA,X2SD
520$:FILE:AB,B1R,1L
530$:PRMFL:BB,W,S,WORKN/EXCH
540$:ENDJOB
```

CATALOG/FILE DESCRIPTION= OM/EXAMIN.S

```
10##M.R(AC) :,8,16;\,12,30
20$:IDENT:WP0964,ADDRL/HILLIS H D 72498  EXAMIN.S
30$:LIMITS:15,,,9K
40$:OPTION:NOMAP
50$:COBOL:DECK
60$:PRMFL:C*,W,S,WORKN/EXAMIN.O
70:IDENTIFICATION DIVISION.
80:PROGRAM-ID. EXAMIN.
90:ENVIRONMENT DIVISION.
100:CONFIGURATION SECTION.
110:SPECIAL-NAMES.
120\COMPILE ERRORS.
130:INPUT-OUTPUT SECTION.
140:FILE-CONTROL.
150\SELECT INFILE ASSIGN TO AA.
160\SELECT OT ASSIGN TO BB.
170:I-O-CONTROL.
180\APPLY STANDARD ON INFILE OT.
190:DATA DIVISION.
200:FILE SECTION.
210:FD INFILE
220\LABEL RECORDS STANDARD.
230: 1 INREC.
240\ 3 FILLER\PIC X(48).
250:FD OT
260\LABEL RECORDS STANDARD.
270: 1 OTREC.
280\ 3 FILLER\PIC X(48).
290:WORKING-STORAGE SECTION.
300:77 INCNT\PIC 9(7) VALUE 0 COMP-1.
310:77 OTCNT\PIC 9(7) VALUE 0 COMP-1.
320:77 DISCNT\PIC Z(6)9.
330:77 IECHK\PIC XX.
340\88 CODE VALUES "1A" "2A" "3A" "4A" "5A" "1B" "2B"
350\"3B" "4B" "5B" "1C" "2C" "3C" "4C" "5C" "1D" "2D" "3D"
360\"4D" "5D" "1E" "2E" "3E" "4E" "5E" "1X" "2X" "3X" "4X"
370\"5X" "7M" "7Z".
380: 1 IREC.
390\ 3 FILLER\PIC X(40).
400\ 3 IEC\PIC XX.
410\ 3 FILLER\PIC X(6).
420:PROCEDURE DIVISION.
430:START-0.
440\OPEN INPUT INFILE OUTPUT OT.
450:READ-10.
460\READ INFILE AT END GO TO END-90.
470\ADD 1 TO INCNT.
480\MOVE INREC TO IREC.
490:MOVE-20.
500\MOVE IEC TO IECHK.
510\IF CODE GO TO WRITE-30.
520\MOVE "ZZ" TO IEC.
530:WRITE-30.
540\WRITE OTREC FROM IREC.
550\ADD 1 TO OTCNT.
560\GO TO READ-10.
570:END-90.
```

```
580\MOVE INCNT TO DISCNT.
590\DISPLAY "NO. OF REC READ = " DISCNT.
600\MOVE OTCNT TO DISCNT.
610\DISPLAY "NO. OF REC WRITTEN = " DISCNT.
620\CLOSE INFILE OT .
630\STOP RUN.
640$;ENDJOB
```

CATALOG/FILE DESCRIPTION= OM/EXALL.S

```
10##M,R(AC) :,8,16;\,12,30
20$:IDENT:WP0964,ADDRL/HILLIS H D  72498  EXALL.S
30$:LIMITS:15,,,9K
40$:OPTION:NOMAP
50$:COBOL:DECK
60$:PRMFL:C*,W,S,WORKN/EXALL,O
70:IDENTIFICATION DIVISION.
80:PROGRAM-ID. EXALL.
90:ENVIRONMENT DIVISION.
100:CONFIGURATION SECTION.
110:SPECIAL-NAMES.
120\COMPILE ERRORS.
130:INPUT-OUTPUT SECTION.
140:FILE-CONTROL.
150\SELECT INFILE ASSIGN TO AA.
160\SELECT OTFILE ASSIGN TO BB.
170:I-O-CONTROL.
180\APPLY STANDARD ON INFILE OTFILE.
190:DATA DIVISION.
200:FILE SECTION.
210:FD INFILE
220\LABEL RECORDS STANDARD.
230:01 INREC.
240\03 FILLER\PIC X(48).
250:FD OTFILE
260\LABEL RECORDS STANDARD.
270:01 OTREC.
280\03 FILLER\PIC X(36).
290:WORKING-STORAGE SECTION.
300:77 INCNT\PIC 9(7) VALUE 0 COMP-1.
310:77 OTCNT\PIC 9(7) VALUE 0 COMP-1.
320:77 DISCNT\PIC Z(6)9.
330:77 SUMPRI\PIC 999 VALUE 0 COMP-1.
340:77 SUB\PIC 99 VALUE 0 COMP-1.
350:01 TABPRI.
360\03 ELEPRI\PIC 999 OCCURS 9 COMP-1.
370:01 OREC.
380\03 OLDREC\PIC X(23).
390\03 D-O\PIC 9(7).
400\03 PPIC\PIC 99.
410\03 FILLER\PIC X(4).
420:01 IREC.
430\03 INFOLD\PIC X(23).
440\03 FILLER\PIC X(10).
450\03 D-I\PIC 9(7).
460\03 IEC.
470\  05 FILLER\PIC X.
480\  05 ALPHA\PIC X.
490\03 FILLER\PIC X(6).
500:PROCEDURE DIVISION.
510:START-0.
520\OPEN INPUT INFILE OUTPUT OTFILE.
530:INITIAL-10.
540\ADD 1 TO SUB.
550\IF SUB > 9 GO TO READ-20.
560\MOVE SUMPRI TO ELEPRI (SUB).
570\ADD 10 TO SUMPRI.
```

```
580\GO TO INITIAL-10.
590:READ-20.
600\READ INFILE AT END 30 TO END-90.
610\ADD 1 TO INCNT.
620\MOVE INREC TO IREC.
630:CHKIZC-30.
640\IF IEC = "ZZ" ADD 1 TO ELEPRI (9)
650\MOVE ELEPRI (9) TO PPIC MOVE INFOLD TO OLDREC
660\MOVE D-I TO D-O WRITE OTREC FROM OREC
670\ADD 1 TO OTCNT GO TO READ-20.
680\IF ALPHA = "A" MOVE 1 TO SUB.
690\IF ALPHA = "B" MOVE 2 TO SUB.
700\IF ALPHA = "C" MOVE 3 TO SUB.
710\IF ALPHA = "D" MOVE 4 TO SUB.
720\IF ALPHA = "E" MOVE 5 TO SUB.
730\IF ALPHA = "X" MOVE 6 TO SUB.
740\IF ALPHA = "M" MOVE 7 TO SUB.
750\IF ALPHA = "Z" MOVE 8 TO SUB.
760\ADD 1 TO ELEPRI (SUB).
770\MOVE D-I TO D-O.
780\MOVE ELEPRI (SUB) TO PPIC.
790\MOVE INFOLD TO OLDREC.
800\WRITE OTREC FROM OREC.
810\ADD 1 TO OTCNT.
820\GO TO READ-20.
830:END-90.
840\MOVE INCNT TO DISCNT.
850\DISPLAY "NO. OF REC READ = " DISCNT.
860\MOVE OTCNT TO DISCNT.
870\DISPLAY "NO. OF REC WRITTEN = " DISCNT.
880\CLOSE INFILE OTFILE.
890\STOP RUN.
900$:ENDJOB
```

CATALOG/FILE DESCRIPTION= WORKN/ALLMER.R

```
10##N,R(AC)
20$:IDENT:WP0964,ADDRL/HILLIS & D  72498  ALLMER,R
30$:LIMITS:15,,,9K
40$:OPTION:COBOL,NOMAP
50$:SELECT:WORKN/EXAMIN,O
60$:EXECUTE
70$:LIMITS:15,,,2K
80$:PRMFL:AA,R,S,WORKN/EXCH
90$:FILE:BB,B1S,2L
100$:OPTION:NOMAP
110$:GMAP:NDECK
120:600SM
130:SORT:INOUT,,8
140:FIELD:(C40,C2,C6)
150:SEQ:(A2,A3)
160:FILCB:INOUT,**,2
170:END
180$:EXECUTE
190$:FILE:SA,B1R,2L
200$:FILE:S1,S1R,1R
210$:FILE:S2,S2R,1R
220$:FILE:S3,S3R,1R
230$:PRMFL:SZ,W,S,WORKN/EXCH
240$:OPTION:COBOL,NOMAP
250$:SELECT:WORKN/EXALL,O
260$:EXECUTE
270$:LIMITS:15,,,2K
280$:PRMFL:AA,R,S,WORKN/EXCH
290$:FILE:BB,B2S,2L
300$:OPTION:NOMAP
310$:GMAP:NDECK
320:600SM
330:SORT:INOUT,,6
340:FIELD:(C4,C1,C2,C2,C21,C2,C4)
350:SEQ:(A6,A3,A1)
360:FILCB:INOUT,**,2
370:END
380$:EXECUTE
390$:FILE:SA,B2R,2L
400$:FILE:S1,S1R,1R
410$:FILE:S2,S2R,1R
420$:FILE:S3,S3R,1R
430$:FILE:SZ,33S,2L
440$:OPTION:NOMAP
450$:GMAP:NDECK
460:600SM
470:SORT:INOUT,,6
480:FIELD:(C4,C1,C2,C2,C21,C2,C4)
490:SEQ:(A6,A3,A1)
500:FILCB:INOUT,**,2
510:END
520$:EXECUTE
530$:PRMFL:SA,R,S,WORKN/OMEI
540$:FILE:S4,S4R,1R
550$:FILE:S5,S5R,1R
560$:FILE:S6,S6R,1R
570$:FILE:SZ,A1S,2L
```

```
580$:OPTION:NOMAP
590$:GMAP:NDECK
600:600SM
610:MERGE:INOUT
620:FIELD:(C4,C1,C2,C2,C21,C2,C4)
630:SEQ:(A6,A3,A1)
640:FILCB:INOUT,**,2
650:END
660$:EXECUTE
670$:FILE:SA,A1R,2L
680$:FILE:SB,B3R,2L
690$:PRMFL:SZ,W,S,WORKN/DPEMPF
700$:OPTION:FCB
710$:SELECT:WORKN/LISTV2.0
720$:EXECUTE
730$:LIMITS:,5K
740$200
750$:PRMFL:07,R,S,WORKN/DPEMPF
760$:REMOTE:06,AC
770$:ENDJOB
```

CATALOG/FILE DESCRIPTION= OM/FUND.S

```
10##M.R(AC) :.8,16;\,12,30
20$:IDENT:WP0964,ADDRL/HILLIS H D  72498  FUND.S
30$:LIMITS:15,,,9K
40$:OPTION:NOMAP
50$:COBOL:DECK
60$:PRMFL:C*,W,S,WORKN/FUND.O
70:IDENTIFICATION DIVISION.
80:PROGRAM-ID. FUND.
90:ENVIRONMENT DIVISION.
100:CONFIGURATION SECTION.
110:SPECIAL-NAMES.
120\COMPILE ERRORS.
130:FILE-CONTROL.
140\SELECT INFILE ASSIGN TO AA.
150\SELECT OTFILE ASSIGN TO BB.
160:I-O-CONTROL.
170\APPLY STANDARD ON INFILE OTFILE.
180:DATA DIVISION.
190:FILE SECTION.
200:FD INFILE
210\LABEL RECORDS STANDARD.
220: 1 INREC.
230\ 3 FILLER\PIC X(36).
240:FD OTFILE
250\LABEL RECORDS STANDARD.
260: 1 OTREC.
270\ 3 FILLER\PIC X(42).
280:WORKING-STORAGE SECTION.
290:77 INCNT\PIC 9(7) VALUE 0 COMP-1.
300:77 OTCNT\PIC 9(7) VALUE 0 COMP-1.
310:77 DISCNT\PIC Z(6)9.
320:77 BUDGET\PIC 9(8) COMP-1.
330:77 REQMT\PIC 9(7) COMP-1.
340:77 NOCNT\PIC 9(7) VALUE 0 COMP-1.
350: 1 IREC.
360\ 3 IDI\PIC X(23).
370\ 3 REQ\PIC 9(7).
380\ 3 PRIC\PIC XX.
390\ 3 FILLER\PIC X(4).
400: 1 OREC.
410\ 3 IDO\PIC X(23).
420\ 3 D\PIC 9(7).
430\ 3 PRI\PIC XX.
440\ 3 FUND\PIC 9(7).
450\ 3 FILLER\PIC XXX.
460: 1 BUDALL.
470\ 3 BUD\PIC 9(8).
480:PROCEDURE DIVISION.
490:START-0.
500\OPEN INPUT INFILE OUTPUT OTFILE.
510\ACCEPT BUDALL.
520\DISPLAY "TOTAL BUDGET AMOUNT = " BUD.
530\MOVE BUD TO BUDGET.
540:READ-10.
550\READ INFILE AT END GO TO END-90.
560\ADD 1 TO INCNT.
570\MOVE INREC TO IREC.
```

```
580\EXAMINE REQ REPLACING ALL " " BY "0".
590\MOVE REQ TO REQMT.
600:ALL-20.
610\MOVE IDI TO IDO MOVE REQMT TO D.
620\MOVE PPIC TO PRI.
630\IF PPIC = "00" MOVE 0 TO FUND
640\ADD 1 TO OTCNT
650\WRITE OTREC FROM OREC GO TO READ-10.
660\IF BUDGET = 0 MOVE BUDGET TO FUND
670\ADD 1 TO NOCNT WRITE OTREC FROM OREC
680\GO TO READ-10.
690\IF BUDGET < REQMT MOVE BUDGET TO FUND
700\MOVE BUDGET TO BUD MOVE REQMT TO REQ
710\DISPLAY "BUDGET AMT = " BUD "IS LESS THAN"
720\" REQMT = " REQ "FOR THIS PC " IREC
730\MOVE 0 TO BUDGET ADD 1 TO OTCNT
740\WRITE OTREC FROM OREC GO TO READ-10.
750\SUBTRACT REQMT FROM BUDGET.
760\MOVE REQMT TO FUND.
770\ADD 1 TO OTCNT.
780\WRITE OTREC FROM OREC.
790\GO TO READ-10.
800:END-90.
810\MOVE INCNT TO DISCNT.
820\DISPLAY "NO. OF REC READ = " DISCNT.
830\MOVE OTCNT TO DISCNT.
840\DISPLAY "NO. OF PC FUNDED = " DISCNT.
850\MOVE NOCNT TO DISCNT.
860\DISPLAY "NO. OF PC NOT FUNDED = " DISCNT.
870\CLOSE INFILE OTFILE.
880\STOP RUN.
890$:ENDJOB
```

```
CATALOG/FILE DESCRIPTION=  OM/FUNREP.S

10##M.R(AC) :,8,16;\,12.30
20$:IDENT:WP0964,ADDRL/MILLIS M D 72498  FUNREP.S
30$:LIMITS:15,,,9K
40$:OPTION:NOMAP
50$:COBOL:DECK
60$:PRMFL:C*,W,S,WORKN/FUNREP,O
70:IDENTIFICATION DIVISION.
80:PROGRAM-ID. FUND.
90:ENVIRONMENT DIVISION.
100:CONFIGURATION SECTION.
110:SPECIAL-NAMES.
120\COMPILE ERRORS.
130:FILE-CONTROL.
140\SELECT INFILE ASSIGN TO AA.
150\SELECT REPFILE ASSIGN TO BB FOR LISTING.
160\SELECT SUMFILE ASSIGN TO CC FOR LISTING.
170:I-O-CONTROL.
180\APPLY STANDARD ON INFILE REPFILE SUMFILE.
190:DATA DIVISION.
200:FILE SECTION.
210:FD INFILE
220\LABEL RECORDS STANDARD.
230:01 INREC.
240\ 3 FILLER\PIC X(42).
250:FD REPFILE
260\LABEL RECORDS STANDARD
270\REPORT IS FUND-REPORT.
280:FD SUMFILE
290\LABEL RECORDS ARE STANDARD
300\REPORT IS WPS-SUM.
310:WORKING-STORAGE SECTION.
320:77 INCNT\PIC 9(7) VALUE 0 COMP-1.
330:77 OTCNT\PIC 9(7) VALUE 0 COMP-1.
340:77 DISCNT\PIC Z(6)9.
350:77 TALC\PIC X.
360:77 SUB1\PIC 99 VALUE 0 COMP-1.
370:77 SUB2\PIC 9 VALUE 0 COMP-1.
380:77 TABR\PIC X.
390\88 ARGC\VALUE "A" "B".
400\88 MRGC\VALUE "C" "D".
410\88 ERGC\VALUE "E" "F".
420\88 ORGC\VALUE "G" "H".
430\88 EXRGC\VALUE "J" "K" "L".
440\88 ABMRGC\VALUE "M" "N" "P" "R" "S".
450:01 TSUM.
460:  02 T' OCCURS 8.
470\03 ABSUM\PIC 9(7) COMP-1 OCCURS 4.
480\03 CDSUM\PIC 9(7) COMP-1 OCCURS 4.
490\03 EFSUM\PIC 9(7) COMP-1 OCCURS 4.
500\03 GHSUM\PIC 9(7) COMP-1 OCCURS 4.
510\03 JKLSUM\PIC 9(7) COMP-1 OCCURS 4.
520\ 3 ABMSUM\PIC 9(7) COMP-1 OCCURS 4.
530\03 TOTSUM\PIC 9(7) COMP-1 OCCURS 4.
540:01 W1.
550\03 FILLER\PIC X(14) VALUE "FGLHLGFLJHBFBJ".
560:01 WS REDEFINES W1.
570\03 WS-T\PIC XX OCCURS 7.
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:01 TWBS.
\03 FILLER\PIC X.
\03 WBSC\PIC XX.
\03 FILLER\PIC XX.
:01 WPNTAB.
\03 FILLER\PIC X(40) VALUE
\"B52  CS   C13  C135 C141 F4   F111 TOTAL".
:01 W-T REDEFINES WPNTAB.
\03 WPN\PIC X(5) OCCURS 8.
:01 TYPTAB.
\03 FILLER\PIC X(24) VALUE " REQ   VAL    X   XTOTAL".
:01 T-B REDEFINES TYPTAB.
\03 TYP\PIC X(6) OCCURS 4.
:01 IREC.
\03 PC.
\  05 ALC\PIC X.
\  05 FILLER\PIC XXX.
\03 WBS\PIC X(5).
\03 CUS\PIC XXX.
\03 RGC\PIC X.
\03 MDS\PIC X(10).
\03 REQ\PIC 9(7).
\03 PPIC\PIC XX.
\03 VAL\PIC 9(7).
\03 FILLER\PIC XXX.
:01 DATEIN\PIC X(9).
:REPORT SECTION.
:RD FUND-REPORT
\CONTROLS ARE TALC
\PAGE LIMIT IS 55 LINES
\HEADING 1
\FIRST DETAIL 6.
:01 TYPE IS CONTROL FOOTING TALC NEXT GROUP IS NEXT PAGE.
:  02 LINE PLUS 01.
:01 TYPE IS PAGE HEADING.
:  02 LINE PLUS 01.
\03 COLUMN 40\SIZE 42 VALUE
\"DPEM AUTOMATED FUNDING ALLOCATION TEST FOR".
\03 COLUMN 83\PIC X(9) SOURCE DATEIN.
\03 COLUMN 122\SIZE 4 VALUE "PAGE".
\03 COLUMN 127 PIC ZZZ9 SOURCE PAGE-COUNTER OF FUND-REPORT.
:  02 LINE PLUS 04.
\03 COLUMN 27\SIZE 16 VALUE "PC    RGC    MDS".
\03 COLUMN 52\SIZE 53 VALUE
\"CUS    WBS    ALC REQ ($000)   AFLC VAL ($000)   PPIC".
:01 RL TYPE DE LINE PLUS 01.
\03 COLUMN 26\PIC X(4) SOURCE PC.
\03 COLUMN 34\PIC X SOURCE RGC.
\03 COLUMN 39\PIC X(10) SOURCE MDS.
\03 COLUMN 52\PIC XXX SOURCE CUS.
\03 COLUMN 58\PIC X(5) SOURCE WBS.
\03 COLUMN 66\PIC Z,ZZZ.ZZ9 SOURCE REQ.
\03 COLUMN 84\PIC Z,ZZZ,ZZ9 SOURCE VAL.
\03 COLUMN 102\PIC XX SOURCE PPIC.
:RD WPN-SUM
\PAGE LIMIT IS 55 LINES
\HEADING 1
\FIRST DETAIL 6.
:01 TYPE IS PH.
:  02 LINE PLUS 01.
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1180\03 COLUMN 43\SIZE 46 VALUE
1190\"VALIDATION SUMMARY FOR SELECTED WEAPON SYSTEMS".
1200: 02 LINE PLUS 01.
1210\03 COLUMN 10\PIC X(9) SOURCE DATEIN.
1220\03 COLUMN 122\SIZE 4 VALUE "PAGE".
1230\03 COLUMN 127\PIC ZZZ9 SOURCE PAGE-COUNTER OF WPN-SUM.
1240: 02 LINE PLUS 02.
1250\03 COLUMN 16\SIZE 3 VALUE "WPN".
1260\03 COLUMN 33\SIZE 8 VALUE "AIRCRAFT".
1270\03 COLUMN 46\SIZE 7 VALUE "MISSILE".
1280\03 COLUMN 59\SIZE 6 VALUE "ENGINE".
1290\03 COLUMN 72\SIZE 4 VALUE "OMEI".
1300\03 COLUMN 84\SIZE 4 VALUE "EXCH".
1310\03 COLUMN 96\SIZE 5 VALUE "A/B/M".
1320\03 COLUMN 107\SIZE 5 VALUE "TOTAL".
1330:01 SL TYPE DE LINE PLUS 02.
1340\03 COLUMN 16\PIC X(5) SOURCE WPN (SUB1).
1350\03 COLUMN 24\PIC X(6) SOURCE TYP (SUB2).
1360\03 COLUMN 33\PIC Z,ZZZ,ZZ9 SOURCE ABSUM (SUB1,SUB2).
1370\03 COLUMN 45\PIC Z,ZZZ,ZZ9 SOURCE CDSUM (SUB1,SUB2).
1380\03 COLUMN 57\PIC Z,ZZZ,ZZ9 SOURCE EFSUM (SUB1,SUB2).
1390\03 COLUMN 69\PIC Z,ZZZ,ZZ9 SOURCE GHSUM (SUB1,SUB2).
1400\03 COLUMN 81\PIC Z,ZZZ,ZZ9 SOURCE JKLSUM (SUB1,SUB2).
1410\03 COLUMN 93\PIC Z,ZZZ,ZZ9 SOURCE ABMSUM (SUB1,SUB2).
1420\03 COLUMN 105\PIC Z,ZZZ,ZZ9 SOURCE TOTSUM (SUB1,SUB2).
1430:PROCEDURE DIVISION.
1440:START-0.
1450\OPEN INPUT INFILE OUTPUT REPFILE SUMFILE.
1460\INITIATE ALL.
1470\ACCEPT DATEIN.
1480\MOVE ZERO TO TSUM.
1490:READ-10.
1500\READ INFILE AT END GO TO END-90.
1510\ADD 1 TO INCNT.
1520\MOVE INREC TO TREC.
1530\MOVE ALC TO TALC.
1540\MOVE RGC TO TABR.
1550\MOVE WBS TO TWBS.
1560\MOVE 1 TO SUB1.
1570:WS-20.
1580\IF PPIC = "00" GO TO GEN-40.
1590\IF WBSC = WS-T (SUB1) GO TO RG-30.
1600\ADD 1 TO SUB1.
1610\IF SUB1 > 7 GO TO GEN-40.
1620\GO TO WS-20.
1630:RG-30.
1640\IF ARGC ADD REQ TO ABSUM (SUB1,1)
1650\ADD VAL TO ABSUM (SUB1,2).
1660\IF MRGC ADD REQ TO CDSUM (SUB1,1)
1670\ADD VAL TO CDSUM (SUB1,2).
1680\IF ERGC ADD REQ TO EFSUM (SUB1,1)
1690\ADD VAL TO EFSUM (SUB1,2).
1700\IF OPGC ADD REQ TO GHSUM (SUB1,1)
1710\ADD VAL TO GHSUM (SUB1,2).
1720\IF EXRGC ADD REQ TO JKLSUM (SUB1,1)
1730\ADD VAL TO JKLSUM (SUB1,2).
1740\IF ABMRGC ADD REQ TO ABMSUM (SUB1,1)
1750\ADD VAL TO ABMSUM (SUB1,2).
1760:GEN-40.
1770\GENERATE RL.
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1780\ADD 1 TO OTCNT.
1790\GO TO READ-10.
1800:END-90.
1810\TERMINATE FUND-REPORT.
1820\CLOSE INFILE REPFILE.
1830\MOVE INCNT TO DISCNT.
1840\DISPLAY "NO. OF REC READ = " DISCNT.
1850\MOVE OTCNT TO DISCNT.
1860\DISPLAY "NO. OF REC WRITTEN = " DISCNT.
1870\MOVE 1 TO SUB1 SUB2.
1880:PER-100.
1890\IF SUB2 > 2 MOVE 1 TO SUB1 SUB2 GO TO PERTOT-120.
1900\PERFORM ADD-110.
1910\ADD 1 TO SUB1.
1920\IF SUB1 > 7 MOVE 1 TO SUB1 ADD 1 TO SUB2.
1930\GO TO PER-100.
1940:ADD-110.
1950\ADD ABSUM (SUB1,SUB2) CDSUM (SUB1,SUB2)
1960\EFSUM (SUB1,SUB2) GHSUM (SUB1,SUB2) JKLSUM (SUB1,SUB2)
1970\ABMSUM (SUB1,SUB2) GIVING TOTSUM (SUB1,SUB2).
1980:PERTOT-120.
1990\IF SUB2 > 2 MOVE 1 TO SUB1 GO TO PERCEN-150.
2000\PERFORM ADD-130.
2010\ADD 1 TO SUB1.
2020\IF SUB1 > 7 MOVE 1 TO SUB1 ADD 1 TO SUB2.
2030\GO TO PERTOT-120.
2040:ADD-130.
2050\ADD ABSUM (SUB1,SUB2) TO ABSUM (8,SUB2).
2060\ADD CDSUM (SUB1,SUB2) TO CDSUM (8,SUB2).
2070\ADD EFSUM (SUB1,SUB2) TO EFSUM (8,SUB2).
2080\ADD GHSUM (SUB1,SUB2) TO GHSUM (8,SUB2).
2090\ADD JKLSUM (SUB1,SUB2) TO JKLSUM (8,SUB2).
2100\ADD ABMSUM (SUB1,SUB2) TO ABMSUM (8,SUB2).
2110\ADD TOTSUM (SUB1,SUB2) TO TOTSUM (8,SUB2).
2120:AB-140.
2130\IF ABSUM (SUB1,1) = 0 MOVE 0 TO ABSUM (SUB1,3)
2140\GO TO CD-141.
2150\COMPUTE ABSUM (SUB1,3) ROUNDED = ABSUM (SUB1,2) /
2160\ABSUM (SUB1,1) * 100.
2170:CD-141.
2180\IF CDSUM (SUB1,1) = 0 MOVE 0 TO CDSUM (SUB1,3)
2190\GO TO EF-142.
2200\COMPUTE CDSUM (SUB1,3) ROUNDED = CDSUM (SUB1,2) /
2210\CDSUM (SUB1,1) * 100.
2220:EF-142.
2230\IF EFSUM (SUB1,1) = 0 MOVE 0 TO EFSUM (SUB1,3)
2240\GO TO GH-143.
2250\COMPUTE EFSUM (SUB1,3) ROUNDED = EFSUM (SUB1,2) /
2260\EFSUM (SUB1,1) * 100.
2270:GH-143.
2280\IF GHSUM (SUB1,1) = 0 MOVE 0 TO GHSUM (SUB1,3)
2290\GO TO JKL-144.
2300\COMPUTE GHSUM (SUB1,3) ROUNDED = GHSUM (SUB1,2) /
2310\GHSUM (SUB1,1) * 100.
2320:JKL-144.
2330\IF JKLSUM (SUB1,1) = 0 MOVE 0 TO JKLSUM (SUB1,3)
2340\GO TO ABM-145.
2350\COMPUTE JKLSUM (SUB1,3) ROUNDED = JKLSUM (SUB1,2) /
2360\JKLSUM (SUB1,1) * 100.
2370:ABM-145.
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2380\IF ABMSUM (SUB1,1) = 0 MOVE 0 TO ABMSUM (SUB1,3)
2390\GO TO TOT-146.
2400\COMPUTE ABMSUM (SUB1.3) ROUNDED = ABMSUM (SUB1,2) /
2410\ABMSUM (SUB1,1) * 100.
2420:TOT-146.
2430\IF TOTSUM (SUB1,1) = 0 MOVE 0 TO TOTSUM (SUB1,3)
2440\GO TO GTOT-147.
2450\COMPUTE TOTSUM (SUB1.3) ROUNDED = TOTSUM (SUB1,2) /
2460\TOTSUM (SUB1,1) * 100.
2470:GTOT-147.
2480\IF TOTSUM (SUB1,2) = 0 MOVE 0 TO ABSUM (SUB1,4)
2490\CDSUM (SUB1,4) EFSUM (SUB1,4) GHSUM (SUB1,4)
2500\JKLSUM (SUB1,4) ABMSUM (SUB1,4) TOTSUM (SUB1,4)
2510\GO TO EXIT-148.
2520\COMPUTE ABSUM (SUB1,4) ROUNDED = ABSUM (SUB1,2) /
2530\TOTSUM (SUB1,2) * 100.
2540\COMPUTE CDSUM (SUB1,4) ROUNDED = CDSUM (SUB1,2) /
2550\TOTSUM (SUB1,2) * 100.
2560\COMPUTE EFSUM (SUB1,4) ROUNDED = EFSUM (SUB1,2) /
2570\TOTSUM (SUB1,2) * 100.
2580\COMPUTE GHSUM (SUB1,4) ROUNDED = GHSUM (SUB1,2) /
2590\TOTSUM (SUB1,2) * 100.
2600\COMPUTE JKLSUM (SUB1.4) ROUNDED = JKLSUM (SUB2,2) /
2610\TOTSUM (SUB1,2) * 100.
2620\COMPUTE ABMSUM (SUB1.4) ROUNDED = ABMSUM (SUB1,2) /
2630\TOTSUM (SUB1,2) * 100.
2640\COMPUTE TOTSUM (SUB1.4) ROUNDED = TOTSUM (SUB1,2) /
2650\TOTSUM (SUB1.2) * 100.
2660:EXIT-148.
2670\EXIT.
2680:PERCEN-150.
2690\PERFORM AB-14? THRU EXIT-148.
2700\ADD 1 TO SUB1.
2710\IF SUB1 > 8 MOVE 1 TO SUB1 SUB2 GO TO GEN-160.
2720\GO TO PERCEN-150.
2730:GEN-160.
2740\GENERATE SL.
2750\ADD 1 TO SUB2.
2760\IF SUB2 > 4 MOVE 1 TO SUB2 ADD 1 TO SUB1.
2770\IF SUB1 > 8 GO TO END-170.
2780\GO TO GEN-160.
2790:END-170.
2600\TERMINATE WPN-SUM.
2810\CLOSE SUMFILE.
2820\STOP RUN.
2830$:ENDJOB
```

CATALOG/FILE DESCRIPTION= WORKN/DAM,R

```
10##N,R(AC)
20$:IDENT:WP0964,ADDRL/HILLIS R D 72498  DAM,R
30$:LIMITS:15,,,9K
40$:OPTION:COBOL,NOMAP
50$:SELECT:WORKN/FUND,O
60$:EXECUTE
70$:PRMFL:AA,R,S,WORKN/DPEMPF
80$:PRMFL:BB,W,S,WORKN/FUNDED
90$:DATA:I*
100#00150000
110$:OPTION;NOMAP
120$:GMAP:NDECK
130:600SM
140:SORT:INOUT,,7
150:FIELD:(C1,C3,C5,C3,C1,C29)
160:SEQ:(A1,A5,A3,A4,A2)
170:FILCB:INOUT,**,2
180:END
190$:EXECUTE
200$:PRMFL:SA,R,S,WORKN/FUNDED
210$:FILE:S1,S1R,1R
220$:FILE:S2,S2R,1R
230$:FILE:S3,S3R,1R
240$:FILE:SZ,A1S,2L
250$:OPTION:COBOL,NOMAP
260$:SELECT:WORKN/FUNREP,O
270$:EXECUTE
280$:LIMITS:[illegible]5,,,4K
290$:FILE:[illegible],A1R,2L
300$:REMOTE:BB,AC
310$:REMOTE:CC,AC
320$:DATA:I*
330#05 MAY 75
340$:ENDJOB
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APPENDIX N

COMPUTERISED PRODUCTS OF THE MODEL

DPEM AUTOMATED FUNDING ALLOCATION TEST FOR 05 JUN 75

PC	RGC	MDS	CUS	WHS	ALC REQ ($000)	AFLC VAL ($000)	PPIC
FTHG	A	F004E	DAF	18FGA	167	167	09
FTHJ	A	F004E	DAF	18FGA	371	371	09
FTHK	A	F004E	DAF	18FGA	436	436	09
FHXC	A	F004E	DAF	18FGA	2,123	134	09
FXHK	A	F004E	DAF	18FGA	5,556	0	09
FGUC	A	F004E	SYS	18FGA	431	0	11
FGUD	A	F004E	SYS	18FGA	727	0	11
FGUF	A	F004E	SYS	18FGA	718	0	11
FGUG	A	F004E	SYS	18FGA	1,282	0	11
FGUH	A	F004E	SYS	18FGA	158	0	11
FGUI	A	F004E	SYS	18FGA	587	0	11
FGAF	B	F004C	DAF	18FDA	183	183	09
FGAI	B	RF004C	DAF	18FEA	0	0	09
FGAK	B	RF004C	DAF	18FEA	0	0	09
FAWA	B	F004D	DAF	18FFA	184	184	09
FGAF	B	F004D	DAF	18FFA	0	0	09
FGAG	B	F004D	DAF	18FFA	0	0	09
FL IB	B	F004D	DAF	18FFA	175	175	09
FL H	H	F004E	DAF	18FGA	0	0	09
FTHL	G	F004C	ANG	18FDG	72	72	08
FLNP	G	F004C	DAF	18FDG	243	243	09
FLNS	G	F004C	DAF	18FDG	196	196	09
FAHN	G	F004C	MAP	18FDG	66	0	10
FLND	G	RF004C	DAF	18FEG	56	56	09
FLNR	G	RF004C	DAF	18FEG	34	34	09
FLND	G	F004D	DAF	18FFG	406	406	09
FLNQ	G	F111A	DAF	18JAG	224	224	03
FLNR	G	F111F	DAF	18JEG	34	34	03
FTHM	G	C130B	AFR	1LGHG	26	0	15
FLND	G	C130E	DAF	1LGNG	56	0	17
FDFD	H	F004C	DAF	18FDG	314	314	09
FMNY	J	AC131B	SYT	18CBA	3	0	71
FACK	K	F004D	DAF	18FFA	235	235	08
FAST	L	AC131D	DAF	18CDA	45	45	07
FGAJ	M	AC130A	SYT	1LGDC	174	0	00
FGVG	M	HC130H	DAF	1LGSA	360	0	17
FREA	N	F105D	DAF	1NFDA	206	0	00
FAIN	S	F004C	DAF	18FDA	2,059	2,059	09
FAIO	S	F004C	DAF	18FDA	31	31	09
FAIP	S	F004C	DAF	18FDA	0	0	09
FAIS	S	F004C	DAF	18FDA	546	546	09
FSAM	S	F004C	DAF	18FDA	92	92	09
FSAN	S	F004C	DAF	18FDA	24	24	09
FAIM	S	F004D	SYS	18FFC	6	0	11
FSAM	S	F111A	DAF	18JAC	5	5	03
FSAM	S	F111A	DAF	18JAC	1	1	03
FAIP	S	F105B	DAF	1NFBC	0	0	00
FSAM	S	F105B	DAF	1NFBC	8	0	00
FSAN	S	F105B	DAF	1NFBC	2	0	00

DORK	F	RF004C	DAF	1BFEB	14,613	14,613	09
FHAY	F	F004E	DAF	1BFGD	5,828	5,828	09
DOAI	F	F004F	DAF	1BFGH	1,116	1,116	09
DJAH	F	F111A	DAF	1BJAB	3,562	3,562	03
DHFY	F	F111D	DAF	1BJDB	1,256	1,256	03
DJGH	F	F111F	DAF	1BJFH	6,007	6,007	03
DHOV	F	T033A	ANG	1LCAB	119	0	27
DFAD	F	T033A	MAP	1LCAB	31	0	08
DHYX	F	F105D	DAF	1NFDB	975	0	08
DJGF	F	F004D	DAF	1BFFC	32	32	09
DJGG	F	F004D	DAF	1BFFC	34	34	09
DJGI	F	F111A	DAF	1BJAB	112	112	03
DIPY	F	F105D	DAF	1NFDB	56	0	08
DAHC	J	T033A	MAP	1LCAB	20	0	73
DKNA	J	F105D	DAF	1NFDB	33	0	74
DSTS	K	F004F	DAF	1BFGH	.55	0	11
DBCF	I	F111D	DAF	1BJDB	110	0	09

DPEM AUTOMATED FUNDING ALLOCATION TEST FOR 05 JUN 75

PC	RCC	MDS	CUS	WUS	ALC REQ ($000)	AFLC VAL ($000)	PPIC
FARK	A	F004C	ANG	1BFDA	552	552	08
FAPH	A	F004C	DAF	1BFDA	64	64	09
FBDT	A	F004C	DAF	1BFDA	565	565	09
FBSA	A	F004C	DAF	1BFDA	734	734	09
FCVA	A	F004C	DAF	1BFDA	7,136	7,136	09
FJFM	A	F004C	DAF	1BFDA	29	29	09
FKLI	A	F004C	DAF	1BFDA	810	810	09
FRDN	A	F004C	DAF	1BFDA	2,278	2,278	09
FTHR	A	F004C	DAF	1BFDA	110	110	09
FTHC	A	F004C	DAF	1BFDA	70	70	09
FGOO	A	F004C	SYS	1BFDA	105	0	11
FGOP	A	F004C	SYS	1BFDA	15	0	11
FGUD	A	F004C	SYS	1BFDA	214	0	11
FGUP	A	F004C	SYS	1BFDA	32	0	11
FGUS	A	F004C	SYS	1BFDA	16	0	11
FNBR	A	F004C	SYS	1BFDA	1,030	0	11
FFAH	A	RF004C	ANG	1BFEA	90	90	08
FHCF	A	RF004C	ANG	1BFEA	2,200	2,200	08
FJFS	A	RF004C	DAF	1BFEA	84	84	09
FJPY	A	RF004C	DAF	1BFEA	3,498	3,498	09
FMCO	A	RF004C	DAF	1BFEA	1,430	1,430	09
FRMP	A	RF004C	DAF	1BFEA	1,296	1,296	09
FRMX	A	RF004C	DAF	1BFEA	345	345	09
FTGH	A	RF004C	DAF	1BFEA	106	106	09
FTHI	A	RF004C	DAF	1BFEA	125	125	09
FGUJ	A	RF004C	SYS	1BFEA	143	0	11
FGUK	A	RF004C	SYS	1BFEA	9	0	11
FGUL	A	RF004C	SYS	1BFEA	61	0	11
FGUM	A	RF004C	SYS	1BFEA	21	0	11
FGUN	A	RF004C	SYS	1BFEA	5	0	11
FWCA	A	RF004C	SYS	1BFEA	1,137	0	11
FAKG	A	F004D	DAF	1BFFA	268	268	09
FARI	A	F004D	DAF	1BFFA	0	0	09
FLFF	A	F004D	DAF	1BFFA	1,407	1,407	09
FMCT	A	F004D	DAF	1BFFA	4,281	4,281	09
FPMO	A	F004D	DAF	1BFFA	4,922	4,922	09
FRMW	A	F004D	DAF	1BFFA	2,857	2,857	09
FTBD	A	F004D	DAF	1BFFA	225	225	09
FTHF	A	F004D	DAF	1BFFA	124	124	09
FWHC	A	F004D	MAP	1BFFA	832	0	10
FGUW	A	F004D	SYS	1BFFA	18	0	11

174

FGOX	A	F004D	SYS	18FFA	93	0	11
FJMK	A	F004D	SYS	18FFA	677	0	11
FARG	A	F004E	DAF	18FGA	0	0	09
FBRK	A	F004E	DAF	18FGA	3,727	3,727	09
FJEO	A	F004E	DAF	18FGA	54	54	09
FMCH	A	F004E	DAF	18FGA	20,221	20,221	09
FPOZ	A	F004E	DAF	18FGA	1,821	1,821	09
FRSE	A	F004E	DAF	18FGA	2,061	2,061	09
FTRF	A	F004E	DAF	18FGA	359	359	09

DPEM AUTOMATED FUNDING ALLOCATION TEST FOR 05 JUN 75

PC	RGC	MDS	CUS	WBS	ALC REQ ($000)	AFLC VAL ($000)	PPIC
FDZP	A	C131A	AFR	18CAA	34	0	00
FIJA	A	C131A	ANG	18CAA	10	0	00
FCWO	A	C131A	DAF	18CAA	235	0	24
FJHC	A	C131A	DAF	18CAA	61	0	24
FMDD	A	C131A	DAF	18CAA	15	0	24
FZZQ	A	C131A	DAF	18CAA	12	0	24
FZZR	A	C131A	DAF	18CAA	143	0	24
FVVS	A	C131A	DIA	18CAA	10	0	25
FDYJ	A	C131B	SYI	18CBA	10	0	00
FMZP	A	C131B	SYI	18CBA	68	0	00
FZZP	A	C131D	DAF	18CDA	10	0	24
FZZS	A	C131D	DAF	18CDA	66	0	24
FFJX	A	VC131H	DAF	18CHA	60	0	24
FIDP	A	VC131H	DAF	18CHA	32	0	24
FRSX	A	VC131H	MAC	18CHA	80	0	00
FRPX	A	VC131H	MAC	18CHA	51	0	00
FMDT	A	T029A	DAF	18CJA	116	0	24
FMJS	A	T029B	DAF	18CLA	857	0	24
FPAC	A	VT029B	AFR	18CMA	29	0	00
FFIH	A	VT029B	ANG	18CMA	10	0	00
FJHF	A	VT029B	DAF	18CMA	33	0	24
FPRU	A	VT029B	DAF	18CMA	10	0	24
FSHN	A	VT029B	DAF	18CMA	230	0	24
FSHO	A	VT029B	DAF	18CMA	12	0	24
FKLZ	A	VT029B	ANG	18CMB	68	0	00
FNDP	A	T029C	DAF	18CNA	435	0	24
FFSH	A	VT029C	DAF	18CPA	28	0	24
FNKI	A	T029D	ANG	18CRA	400	0	00
FSHR	A	VT029D	DAF	18CSA	36	0	24
FVVV	A	VT029D	DIA	18CSA	10	0	25
FPAY	A	VT029D	SYI	18CSA	29	0	00
FRSF	A	F005A	FWF	1XJAA	1,633	0	00
FKNI	A	F005B	FWF	1XJCA	0	0	00
FESF	A	F005B	MAP	1XJCA	182	182	06
FGGZ	A	F005B	MAS	1XJCA	42	42	07
FDXJ	A	F005F	DAF	1XJEA	0	0	00
FKUN	A	F005F	FWF	1XJEA	1,037	0	00
FRDY	A	F005F	FWF	1XJEA	57	0	00
FUND	A	F005E	FWF	1XJEA	0	0	00
FMWJ	A	F005E	MAP	1XJEA	74	74	06
FHAV	A	F005E	MAS	1XJEA	506	506	07
FDZN	B	F005B	MAS	1XJCA	201	201	07
FFYI	F	C131A	AFR	18CAB	248	0	00
FFYH	F	C131A	ANG	18CAB	252	0	00
FJPO	F	C131A	DAF	18CAB	42	0	24
FJWM	F	C131A	DAF	18CAB	6	0	24
FSFV	F	C131A	DAF	18CAB	1,178	0	24
FFYP	F	C131A	SYI	18CAB	235	0	00
FHBY	F	C131B	DAF	18CBB	7	0	24
FSEX	F	C131B	DAF	18CBB	308	0	24

DPEM AUTOMATED FUNDING ALLOCATION TEST FOR 05 JUN 75

PC	RCC	MDS	CUS	WHS	ALC REQ ($000)	AFLC VAL ($000)	PPIC
FVGD	F	C131D	AFR	1BCDB	11	0	00
FKSS	F	C131D	ANG	1BCDB	21	0	00
FIDM	F	VC131H	DAF	1BCHB	50	0	24
F2UR	F	VC131H	MAC	1BCHB	100	0	00
FFSZ	F	T029A	ANG	1BCJB	22	0	00
FSGT	F	T029A	DAF	1BCJB	255	0	24
FFSW	F	T029B	AFR	1BCLB	53	0	00
FFSY	F	VT029B	SYT	1BCMB	11	0	00
FRCP	F	T029C	MAP	1BCNB	21	0	00
FJMU	F	T029C	MAP	1BCNB	53	0	00
FZVI	F	T029C	MAP	1BCNB	75	0	00
FFYK	F	T029C	SYT	1BCNB	11	0	00
FHHQ	F	VT029C	DAF	1BCPB	50	0	24
FDWM	F	VT029C	DAF	1BCPB	4	0	24
FHHQ	F	F004C	DAF	1BFDB	501	0	09
FDWM	F	F004C	DAF	1BFDB	32	0	09
FHHQ	F	F111A	DAF	1BJAB	63	63	03
FDWM	F	F111A	DAF	1BJAB	10	10	03
FHBC	F	C118A	DAF	1DHAB	420	0	10
FHHQ	F	C118A	DAF	1DHAB	56	0	10
FDWM	F	C118A	DAF	1DHAB	5	0	00
FSEN	F	C118A	DAF	1DHAB	1,928	0	00
FFSS	F	C118A	SYT	1DHAB	53	0	00
FXZP	F	VC118A	AFR	1DHBB	21	0	00
FHHQ	F	T033A	DAF	1LCAB	74	0	28
FDWM	F	T033A	DAF	1LCAB	7	0	28
FHHM	F	C130A	DAF	1LGAB	502	0	17
FHHQ	F	C130A	DAF	1LGAB	327	0	17
FDWM	F	C130A	DAF	1LGAB	10	0	17
FHHQ	F	AC130A	DAF	1LGDB	1,255	0	17
FNCP	F	AC130A	DAF	1LGDB	1,188	0	17
FHKV	F	AC130A	DAF	1LGDB	1,203	0	17
FMNM	F	C130B	DAF	1LGHB	2,773	0	17
FMKW	F	C130B	DAF	1LGHB	3,166	0	17
FHHM	F	HC130H	DAF	1LGSB	99	0	17
FHHQ	F	HC130H	DAF	1LGSB	9	0	17
FMGR	F	HC130H	DAF	1LGSB	316	0	17
FDWM	F	HC130H	DAF	1LGSB	0	0	17
FNCT	F	C130Y	DAF	1LGYB	495	0	17
FHBM	F	F105D	DAF	1NFDB	99	0	00
FHHQ	F	F105G	DAF	1NFGB	12	0	00
FDWM	F	F105G	DAF	1NFGB	3	0	00
FFYI	F	C123B	AFR	1REBB	94	0	20
FSEV	F	C123B	DAF	1REBB	480	0	22
FGXH	F	C123J	ANG	1REJB	6	0	21
FMPG	F	C123J	FMF	1REJB	12	0	00
FGXM	F	C123K	AFR	1REKB	286	0	20
FFYH	F	C123K	ANG	1REKB	57	0	21
FLGH	F	C123K	FMF	1REKB	0	0	00
FNDN	F	C123K	FMF	1REKB	256	0	00

DPEM AUTOMATED FUNDING ALLOCATION TEST FOR 05 JUN 75

PC	RGC	MDS	CUS	WHS	ALC REQ ($000)	AFLC VAL ($000)	PPIC
FTLA	F	C123K	FMF	1REKR	72	0	00
FKPS	F	C123K	MAP	1REKR	107	0	23
FLRA	F	C123K	MAP	1REKR	54	0	23
FSJA	F	C123K	MAP	1REKR	143	0	23
FFYK	F	C123K	SYT	1REKR	11	0	00
FGWL	F	F005A	DAF	1XJAR	39	0	00
FHBM	F	F005A	DAF	1XJAR	24	0	00
F4WX	F	F005A	MAP	1XJAR	59	59	06
FFPK	F	F005B	DAF	1XJCR	227	0	00
FLDI	F	F005B	FMF	1XJCR	172	0	00
FHPN	F	F004E	DAF	1RFGR	18	0	09
FHPN	F	F111A	DAF	1RJAR	10	10	03
F4GR	F	F111A	DAF	1RJAR	18	18	03
FHPG	F	C118A	DAF	1DHAR	2	0	00
FGVI	F	C130E	DAF	1LGNR	64	0	17
FWPI	F	C130E	DAF	1LGNR	2	0	17
FKMP	F	C130E	DAF	1LGNR	8	0	17
FJVU	F	C130E	DAF	1LGNR	44	0	17
FZWC	G	F004C	DAF	1HFDF	52	0	09
FZWC	G	RF004C	DAF	1RFFF	11	0	09
FZWC	G	F111A	DAF	1RJAF	16	16	03
FZWC	G	C130A	DAF	1LGAF	14	0	17
FZWC	G	WC130B	DAF	1LGJF	1	0	17
FZWC	G	F105D	DAF	1NEDF	4	0	00
FZWC	G	F005B	DAF	1XJCF	0	0	00
FUNN	J	VC131H	DAF	1RCHA	789	789	04
FAST	K	AC131A	AFR	1RCAA	90	90	06
FRLF	L	T029A	ANG	1RCMA	66	0	10

DPEM AUTOMATED FUNDING ALLOCATION TEST FOR 05 JUN 75

PC	RGC	MDS	CUS	WBS	ALC REQ ($000)	AFLC VAL ($000)	PPIC
HTSD	A	F111A	DAF	18JAA	4,189	4,189	03
HTXP	A	F111A	DAF	18JAA	28	28	03
HBCP	A	F111A	SYS	18JAA	5,339	5,339	04
HPRR	A	F111A	SYS	18JAA	8,926	8,926	04
HTSH	A	F111D	DAF	18JDA	1,900	1,900	03
HUHA	A	F111D	DAF	18JDA	35	35	03
HZZA	A	F111D	DAF	18JDA	622	622	03
HTSF	A	F111D	SYS	18JDA	755	755	04
HTSJ	A	F111E	DAF	18JEA	6,926	6,926	03
HUBB	A	F111E	DAF	18JEA	94	94	03
HSUU	A	F111E	SYS	18JEA	4,930	4,930	04
HTSO	A	F111F	DAF	18JFA	3,846	3,846	03
HTSL	A	F111F	SYS	18JFA	1,421	1,421	04
H3BB	A	T033A	AFR	1LCAA	54	0	26
HBGZ	A	T033A	ANG	1LCAA	97	0	27
HLLB	A	T033A	ANG	1LCAA	552	0	27
HBBF	A	T033A	DAF	1LCAA	482	0	28
HOG[illegible]	A	T033A	DAF	1LCAA	293	0	28
HVE[illegible]	A	T033A	DAF	1LCAA	904	0	28
HUHO	A	T033A	SYS	1LCAA	66	0	29
HHFZ	A	C130A	FWF	1LGAC	1,500	0	18
HVUN	A	F105B	AFR	1NEBA	524	0	12
HVUO	A	F105B	AFR	1NEBA	197	0	12
HWXO	A	F105B	AFR	1NEBA	88	0	12
HMDC	A	F105B	ANG	1NEBA	[illegible]	0	13
HMDJ	A	F105B	ANG	1NEBA	42	0	13
HURC	A	F105B	ANG	1NEBA	148	0	13
HWGB	A	F105D	AFR	1NEDA	897	0	12
HHGD	A	F105D	AFR	1NEDA	197	0	12
HWXR	A	F105D	AFR	1NEDA	222	0	12
HUUY	A	F105D	ANG	1NEDA	310	0	13
HUZD	A	F105D	ANG	1NEDA	275	0	13
HWGF	A	F105D	ANG	1NEDA	374	0	13
HWGH	A	F105D	ANG	1NEDA	98	0	13
HWXS	A	F105F	AFR	1NEFA	25	0	12
HZZP	A	F105F	AFR	1NEFA	99	0	12
HUFF	A	F105F	ANG	1NEFA	487	0	13
HUUA	A	F105F	ANG	1NEFA	56	0	13
HVGA	A	F105F	ANG	1NEFA	88	0	13
HUBF	A	F105G	DAF	1NEGA	1,318	0	00
HWHG	A	F105G	DAF	1NEGA	492	0	00
HZZG	A	F105G	DAF	1NEGA	93	0	00
HRSV	B	F111A	DAF	18JAA	164	164	03
HTOM	B	F111A	DAF	18JAA	5	5	03
HTRI	B	F111A	DAF	18JAA	4	4	03
HUUF	B	F111A	DAF	18JAA	1,574	1,574	03
HUIC	B	F111A	DAF	18JAA	18	18	03
HSRS	B	F111A	SYS	18JAA	397	397	04
HTKI	B	F111A	SYS	18JAA	2	2	04
HUPU	B	F111A	SYS	18JAA	9	9	04

DPEM AUTOMATED FUNDING ALLOCATION TEST FOR 05 JUN 75

PC	RCC	MDS	CUS	WHS	ALC REQ ($000)	AFLC VAL ($000)	PPIC
HTSF	B	F111D	SYS	1BJDA	1,818	1,818	04
HTSI	B	F111F	SYS	1BJEA	847	847	04
HTSM	B	F111F	SYS	1BJFA	618	618	04
HPSV	B	T033A	DAF	1LCAA	62	0	28
HTRN	B	T033A	DAF	1LCAA	2	0	28
HHUW	B	T033A	DAF	1LCAA	5	0	28
HVUI	B	F105D	AFR	1NFDA	37	0	12
HVUJ	B	F105D	AFR	1NFDA	9	0	12
HUHH	B	F105D	ANG	1NFDA	4	0	13
HVUK	B	F105D	ANG	1NEDA	37	0	13
HRSV	B	F105D	DAF	1NFDA	164	0	00
HTAL	B	F105D	DAF	1NFDA	75	0	00
HTUM	B	F105D	DAF	1NFDA	2	0	00
HTSV	B	F105D	DAF	1NFDA	319	0	00
HRRH	B	F105G	DAF	1NFGA	218	0	00
HARD	J	C131A	DIA	1BCAA	54	54	05
HEML	K	VT029D	DIA	1BCSA	88	0	01
HAND	K	F105B	MAS	1XJCA	618	618	02
HAPY	L	F005B	FMF	1XJCA	23	23	01
HTEH	R	F111A	DAF	1BJAA	16	16	03
HPSH	R	F111D	DAF	1BJDA	1	1	03
HTYA	R	F111D	SYS	1BJDG	2	2	04
HUPI	R	C130B	SYS	1LGHG	41	0	00
LPSH	R	F105D	DAF	1NEDA	1	0	00
HRUH	S	F111D	DAF	1BJDA	4	4	03
HTYD	S	F111D	DAF	1BJDA	10	10	03
HWFN	S	C130A	FMF	1LGAC	1	0	18
HWFO	S	C130A	FMF	1LGAC	60	0	18
HWFP	S	C130A	FMF	1LGAC	2	0	18
HWFQ	S	C130A	FMF	1LGAC	9	0	18
HWFS	S	C130A	FMF	1LGAC	11	0	18
HWFU	S	C130A	FMF	1LGAC	9	0	18
HWFV	S	C130A	FMF	1LGAC	2	0	18
HWFW	S	C130A	FMF	1LGAC	44	0	18
HWFX	S	C130A	FMF	1LGAC	1	0	18
HWFY	S	C130A	FMF	1LGAC	30	0	18
HRUH	S	F105D	DAF	1NEDA	4	0	00
HTYD	S	F105D	DAF	1NEDA	10	0	00

DPEM AUTOMATED FUNDING ALLOCATION TEST FOR 05 JUN 75

PC	RCC	MDS	CUS	WHS	ALC REQ ($000)	AFLC VAL ($000)	PPIC
JXCD	A	C118A	AFR	1DHAA	0	0	00
JCML	A	C118A	DAF	1DHAA	1,243	0	00
JCSF	A	C118A	DAF	1DHAA	157	0	00
JJXD	A	C118A	DAF	1DHAA	76	0	00
JXJN	A	C118A	DAF	1DHAA	837	0	00
JTSF	A	C118A	MAC	1DHAA	26	0	14
JGWU	A	C130A	AFR	1LGAA	160	0	15
JWLD	A	C130A	AFR	1LGAA	2,236	0	15
JWWP	A	C130A	AFR	1LGAA	522	0	15
JGWV	A	C130A	ANG	1LGAA	160	0	16
JTJM	A	C130A	ANG	1LGAA	610	0	16
JWJK	A	C130A	ANG	1LGAA	1,810	0	16
JMCV	A	C130A	DAF	1LGAA	186	0	17
JMKU	A	C130A	DAF	1LGAA	970	0	17
JTNH	A	C130A	FWF	1LGAA	979	0	18
JXEA	A	C130A	FWF	1LGAA	0	0	18
JJHF	A	C130A	SYS	1LGAA	217	0	19
JPXF	A	AC130A	DAF	1LGDA	1,429	0	17
JWMS	A	AC130A	DAF	1LGDA	206	0	17
JUMT	A	AC130A	DAF	1LGDA	265	0	17
JMIA	A	DC130A	DAF	1LGEA	612	0	17
JDGJ	A	C130B	AFR	1LGHA	1,967	0	15
JPLY	A	C130B	AFR	1LGHA	1,504	0	15
JTJF	A	C130B	AFR	1LGHA	1,978	0	15
JAEW	A	C130B	ANG	1LGHA	439	0	16
JDGK	A	C130B	ANG	1LGHA	328	0	16
JTJF	A	C130B	ANG	1LGHA	214	0	16
JCZT	A	C130B	DAF	1LGHA	303	0	17
JTNC	A	C130B	DAF	1LGHA	305	0	17
JXEN	A	C130B	DAF	1LGHA	206	0	17
JXEO	A	C130B	DAF	1LGHA	263	0	17
JXEP	A	C130B	DAF	1LGHA	267	0	17
JGWG	A	C130B	MAP	1LGHA	300	0	00
JJYG	A	C130B	MAP	1LGHA	0	0	00
JLDS	A	C130D	DAF	1LGLA	458	0	17
JRRD	A	C130E	ANG	1LGNA	179	0	16
JRHG	A	C130E	ANG	1LGNA	375	0	16
JJRG	A	C130E	ANG	1LGNA	110	0	16
JANP	A	C130E	DAF	1LGNA	95	0	17
JCVP	A	C130E	DAF	1LGNA	3,964	0	17
JDXI	A	C130E	DAF	1LGNA	1,196	0	17
JDXV	A	C130E	DAF	1LGNA	1,395	0	17
JJRT	A	C130E	DAF	1LGNA	261	0	17
JLDY	A	C130E	DAF	1LGNA	4,999	0	17
JTJC	A	C130E	DAF	1LGNA	473	0	17
JVFT	A	C130E	DAF	1LGNA	156	0	17
JXEQ	A	C130E	DAF	1LGNA	1,228	0	17
JJAP	A	HC130H	DAF	1LGRA	150	0	17
JWJP	A	HC130H	AFR	1LGSA	346	0	15
JDXU	A	HC130H	DAF	1LGSA	367	0	17

DPEM AUTOMATED FUNDING ALLOCATION TEST FOR 05 JUN 75

PC	RGC	MDS	CUS	WHS	ALC REQ ($000)	AFLC VAL ($000)	PPIC
JIWY	A	HC130H	DAF	1LGSA	1,737	0	17
JJAA	A	HC130H	DAF	1LGSA	791	0	17
JVEV	A	HC130H	DAF	1LGSA	249	0	17
JSCV	A	C123K	AFR	1REKA	476	0	20
JTIH	A	C123K	AFR	1REKA	681	0	20
JXFY	A	C123K	AFR	1REKA	54	0	20
JZEA	A	C123K	ANG	1REKA	4	0	21
JZER	A	C123K	DAF	1REKA	0	0	22
JADF	A	C123K	MAP	1REKA	60	0	23
JJXO	A	C123K	MAP	1REKA	230	0	23
JTSS	A	C123K	MAP	1REKA	395	0	23
JXEH	A	C123K	MAP	1REKA	47	0	23
JNUE	B	C130A	ANG	1LGAA	0	0	16
JJKI	B	C130A	DAF	1LGAA	497	0	17
JJKK	B	C130B	DAF	1LGBA	60	0	17
JNGF	B	C130D	SYS	1LGLA	81	0	19
JNOR	B	C130E	AFR	1LGNA	81	0	15
JFHP	B	C130E	DAF	1LGNA	63	0	17
JJKJ	B	C123K	DAF	1REKA	0	0	22
JWWD	B	C123K	DAF	1REKA	1	0	22
JUST	J	VC118A	SYT	1DHRB	75	0	72
JOTT	K	C130E	DAF	1LGNB	69	69	03
JACK	L	C118A	SYT	1DHAB	9	0	75
JHAW	R	F004D	DAF	1REFD	30	0	09
JJAS	R	C130E	DAF	1LGNB	243	0	17

VALIDATION SUMMARY FOR SELECTED WEAPON SYSTEMS

	AIRCRAFT	MISSILE	ENGINE	OMEI	EXCH	A/R/M
REQ	0	0	0	0	0	0
VAL	0	0	0	0	0	0
%	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0
REQ	0	0	0	0	0	0
VAL	0	0	0	0	0	0
%	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0
REQ	38,039	0	11,481	97	69	772
VAL	0	0	0	0	69	0
%	0	0	0	0	100	0
TOTAL	0	0	0	0	100	0
REQ	0	0	0	0	0	0
VAL	0	0	0	0	0	0
%	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0
REQ	0	0	0	0	0	0
VAL	0	0	0	0	0	0
%	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0
REQ	81,355	0	22,174	1,450	290	2,788
VAL	65,499	0	21,623	1,321	235	2,752
%	81	0	98	91	81	99
TOTAL	72	0	24	1	0	3
REQ	44,467	0	31,038	274	118	39

VALIDATION SUMMARY FOR SELECTED WEAPON SYSTEMS

	AIRCRAFT	MISSILE	ENGINE	OMEI	EXCH	A/B/M
VAL	44,467	0	11,038	274	0	39
%	100	0	100	100	0	100
TOTAL	80	0	20	0	0	0
REQ	163,461	0	44,693	1,821	469	3,599
VAL	109,966	0	32,661	1,595	304	2,791
%	67	0	73	88	65	78
TOTAL	75	0	22	1	0	2

APPENDIX O

RANKING MATRIX CONSTRUCTED BY HQ AFLC/MMRER

PRIORITY												
	28	EC	BF	ET	DH	LC	LG	NE	RE	XJ		
AFR						23	22	21	20			
AFG			8			12	11	10	9			
DIF	3	5	2	1		7	6		4			
DIA		24										
FOT							28					
ALIC					13							
MAP			29						26	25		
MAS										27		
SYS	17		16	14		19	18					
SYT				15								

APPENDIX P

INITIAL TEST RESULTS OF THE MODEL

DPEM AUTOMATED FUNDING ALLOCATION TEST FOR 26 JUN 75

PC	RGC	MDS	CUS	WBS	ALC REQ ($000)	AFLC VAL ($000)	PPIC
EARK	A	F004C	ANG	18FDA	552	0	08
FAPH	A	F004C	DAF	18FDA	64	64	02
FBDT	A	F004C	DAF	18FDA	565	565	02
EBSA	A	F004C	DAF	18FDA	734	734	02
FCVA	A	F004C	DAF	18FDA	7,136	7,136	02
FJFM	A	F004C	DAF	18FDA	29	29	02
FKLT	A	F004C	DAF	18FDA	810	810	02
[illegible]	A	F004C	DAF	18FDA	2,278	2,278	02
[illegible]	A	F004C	DAF	18FDA	110	110	02
[illegible]	A	F004C	DAF	18FDA	70	70	02
FG[illegible]	A	F004C	SYS	18FDA	105	0	16
FGOP	A	F004C	SYS	18FDA	15	0	16
FGOQ	A	F004C	SYS	18FDA	214	0	16
FGOR	A	F004C	SYS	18FDA	32	0	16
FGOS	A	F004C	SYS	18FDA	16	0	16
FWHR	A	F004C	SYS	18FDA	1,030	0	16
FKAH	A	RF004C	ANG	18FEA	90	0	08
FWCF	A	RF004C	ANG	18FEA	2,200	0	08
EJFS	A	RF004C	DAF	18FEA	84	84	02
EJPY	A	RF004C	DAF	18FEA	3,498	3,498	02
FMCQ	A	RF004C	DAF	18FEA	1,430	1,430	02
ERMP	A	RF004C	DAF	18FEA	1,296	1,296	02
ERMX	A	RF004C	DAF	18FEA	345	345	02
FTRH	A	RF004C	DAF	18FEA	106	106	02
FTH[illegible]	A	RF004C	DAF	18FEA	125	125	02
FGOJ	A	RF004C	SYS	18FEA	143	0	16
FGOK	A	RF004C	SYS	18FEA	9	0	16
FGOL	A	RF004C	SYS	18FEA	61	0	16
FGOM	A	RF004C	SYS	18FEA	21	0	16
FGON	A	RF004C	SYS	18FEA	5	0	16
[illegible]WCA	A	RF004C	SYS	18FEA	1,137	0	16
FAKG	A	F004D	DAF	18FFA	268	268	02
FARI	A	F004D	DAF	18FFA	0	0	02
ELEF	A	F004D	DAF	18FFA	1,407	1,407	02
FMCT	A	F004D	DAF	18FFA	4,281	4,281	02
ERMO	A	F004D	DAF	18FFA	4,922	4,922	02
ERMW	A	F004D	DAF	18FFA	2,857	2,857	02
ETHD	A	F004D	DAF	18FFA	225	225	02
FTRE	A	F004D	DAF	18FFA	124	124	02
FWBC	A	F004D	MAP	18FFA	832	0	29
FGOW	A	F004D	SYS	18FFA	18	0	16
FGOX	A	F004D	SYS	18FFA	93	0	16
FJMK	A	F004D	SYS	18FFA	677	0	16
EARG	A	F004E	DAF	18FGA	0	0	02
FBBK	A	F004E	DAF	18FGA	3,727	3,727	02
EJFQ	A	F004E	DAF	18FGA	54	54	02
FMCH	A	F004E	DAF	18FGA	20,221	20,221	02
EROZ	A	F004E	DAF	18FGA	1,821	1,821	02
ERSF	A	F004E	DAF	18FGA	2,061	2,061	02
FTBF	A	F004E	DAF	18FGA	359	359	02

AD-A035 440 AIR FORCE INST OF TECH WRIGHT-PATTERSON AFB OHIO SCHO--ETC F/G 5/1
A PROGRAM ALLOCATION MODEL FOR DEPOT PURCHASED EQUIPMENT MAINTE--ETC(U)
AUG 75 G C MILBORROW

UNCLASSIFIED SLSR-52-75B NL

3 OF 3
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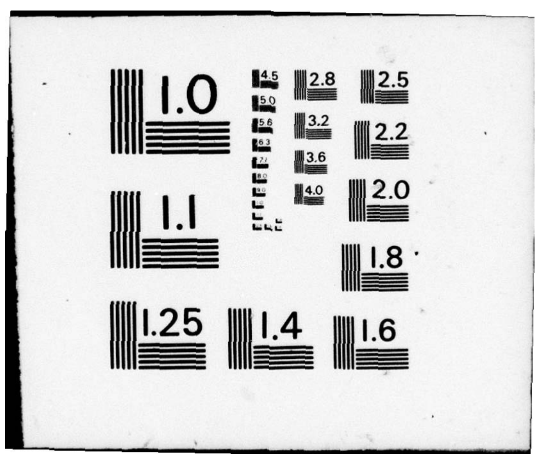
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DPEM AUTOMATED FUNDING ALLOCATION TEST FOR 26 JUN 75

PC	RGC	MDS	CUS	MRS	ALC REQ ($000)	AFLC VAL ($000)	PPIC
FTRG	A	F004E	DAF	1RFGA	167	167	02
FTGJ	A	F004E	DAF	1RFGA	371	371	02
ETRK	A	F004E	DAF	1RFGA	436	436	02
EUXC	A	F004E	DAF	1RFGA	2,123	2,123	02
EXBK	A	F004E	DAF	1RFGA	5,556	5,556	02
EGOC	A	F004E	SYS	1RFGA	431	0	16
FGOD	A	F004E	SYS	1RFGA	727	0	16
FGOF	A	F004E	SYS	1RFGA	718	0	16
FGOG	A	F004E	SYS	1RFGA	1,282	0	16
FGOH	A	F004F	SYS	1RFGA	158	0	16
EGOI	A	F004E	SYS	1RFGA	587	0	16
FGAE	B	F004C	DAF	1RFDA	183	183	02
FGAI	B	RF004C	DAF	1RFEA	0	0	02
EGAK	B	RF004C	DAF	1RFEA	0	0	02
FAWA	B	F004D	DAF	1RFFA	184	184	02
EGAF	B	F004D	DAF	1RFFA	0	0	02
FGAG	B	F004D	DAF	1RFFA	0	0	02
FUWR	B	F004D	DAF	1RFFA	175	175	02
FGAH	B	F004E	DAF	1RFGA	0	0	02
FTHL	G	F004C	ANG	1RFDG	72	0	08
ELNR	G	F004C	DAF	1RFDG	243	243	02
ELNS	G	F004C	DAF	1RFDG	196	196	02
FAHN	G	F004C	MAP	1RFDG	66	0	29
ELNO	G	RF004C	DAF	1RFEG	56	56	02
FLNP	G	RF004C	DAF	1RFFC	34	34	02
FLNQ	G	F004D	DAF	1RFFG	[illegible]	496	02
ELNQ	G	F111A	DAF	1RJAG	224	224	01
ELNR	G	F111E	DAF	1RJEG	34	34	01
FTHM	G	C130B	AFR	1LGHG	26	0	22
FLNQ	G	C130E	DAF	1LGNG	56	56	06
EDFO	H	F004C	DAF	1RFDG	314	314	02
FNNY	J	AC131B	SYT	1RCBA	3	0	71
GACK	K	F004D	DAF	1RFFA	235	0	08
FAST	L	AC131D	DAF	1RCDA	45	0	07
FGAJ	N	AC130A	SYT	1LGDR	174	0	00
FCVG	N	HC130H	DAF	1LGSA	360	360	06
FRFA	N	F105D	DAF	1NFDA	206	0	00
EAIN	S	F004C	DAF	1RFDA	2,059	2,059	02
FAIO	S	F004C	DAF	1RFDA	31	31	02
FAIR	S	F004C	DAF	1RFDA	0	0	02
FAIS	S	F004C	DAF	1RFDA	546	546	02
FSAM	S	F004C	DAF	1RFDA	92	92	02
FSAN	S	F004C	DAF	1RFDA	24	24	02
FAIM	S	F004D	SYS	1RFFC	6	0	16
FSAM	S	F111A	DAF	1RJAC	5	5	01
FSAN	S	F111A	DAF	1RJAC	1	1	01
FAIR	S	F105B	DAF	1NFBC	0	0	00
FSAM	S	F105B	DAF	1NFBC	8	0	00
FSAN	S	F105B	DAF	1NFBC	2	0	00

DPEM AUTOMATED FUNDING ALLOCATION TEST FOR 26 JUN 75

PC	RGC	MDS	CUS	WBS	ALC REQ ($000)	AFLC VAL ($000)	PPIC
FDZP	A	C131A	AFR	1BCAA	34	0	00
FTIA	A	C131A	ANG	1BCAA	10	0	00
FCHO	A	C131A	DAF	1BCAA	235	235	05
FJHC	A	C131A	DAF	1BCAA	61	61	05
FNDO	A	C131A	DAF	1BCAA	15	15	05
FZZO	A	C131A	DAF	1BCAA	12	12	05
FZZR	A	C131A	DAF	1BCAA	143	143	05
FVVS	A	C131A	DIA	1BCAA	10	0	24
FDYJ	A	C131B	SYT	1BCBA	10	0	00
FMZR	A	C131B	SYT	1BCBA	68	0	00
FZZP	A	C131D	DAF	1BCDA	10	10	05
FZZS	A	C131D	DAF	1BCDA	66	66	05
FFJX	A	VC131H	DAF	1BCHA	60	60	05
FIDP	A	VC131H	DAF	1BCHA	32	32	05
FRSX	A	VC131H	MAC	1BCHA	80	0	00
FRPX	A	VC131H	MAC	1BCHA	51	0	00
FNDT	A	T029A	DAF	1BCJA	116	116	05
FMJS	A	T029B	DAF	1BCLA	857	857	05
FPAO	A	VT029B	AFR	1BCMA	29	0	00
FFTH	A	VT029B	ANG	1BCMA	10	0	00
FJHE	A	VT029B	DAF	1BCMA	33	33	05
FRRU	A	VT029B	DAF	1BCMA	10	10	05
FSHN	A	VT029B	DAF	1BCMA	230	230	05
FSHQ	A	VT029B	DAF	1BCMA	12	12	05
FKLZ	A	VT029B	ANG	1BCMB	68	0	00
FNDP	A	T029C	DAF	1BCNA	435	435	05
FFSH	A	VT029C	DAF	1BCPA	28	28	05
FNKI	A	T029D	ANG	1BCRA	400	0	00
FSHP	A	VT029D	DAF	1BCSA	36	36	05
FVVV	A	VT029D	DIA	1BCSA	10	0	24
FPAY	A	VT029D	SYT	1BCSA	29	0	00
FRSF	A	F005A	FWF	1XJAA	1,633	0	00
FKNI	A	F005B	FWF	1XJCA	0	0	00
FESF	A	F005B	MAP	1XJCA	182	0	25
FGGZ	A	F005B	MAS	1XJCA	42	0	27
FDXJ	A	F005E	DAF	1XJEA	0	0	00
FKON	A	F005E	FWF	1XJEA	1,037	0	00
FROY	A	F005E	FWF	1XJEA	57	0	00
FUND	A	F005F	FWF	1XJEA	0	0	00
FMWJ	A	F005E	MAP	1XJEA	74	0	25
FHAV	A	F005E	MAS	1XJEA	506	0	27
FDZN	B	F005B	MAS	1XJCA	201	0	27
FFYI	E	C131A	AFR	1BCAB	248	0	00
FFYH	E	C131A	ANG	1BCAB	252	0	00
FHBO	E	C131A	DAF	1BCAB	42	42	05
FOWM	E	C131A	DAF	1BCAB	6	6	05
FSEV	E	C131A	DAF	1BCAB	1,178	1,178	05
FFYO	E	C131A	SYT	1BCAB	235	0	00
FHBY	E	C131B	DAF	1BCBB	7	7	05
FSEX	E	C131B	DAF	1BCBB	308	308	05

DPEM AUTOMATED FUNDING ALLOCATION TEST FOR 26 JUN 75

PC	RGC	MDS	CUS	WRS	ALC REQ ($000)	AFLC VAL ($000)	PPIC
FVOD	E	C131D	AFR	1RCDR	11	0	00
FKSS	E	C131D	ANG	1RCDR	21	0	00
FIDM	F	VC131H	DAF	1RCHR	50	50	05
FROR	E	VC131H	MAC	1RCHR	100	0	00
FFSZ	F	T029A	ANG	1RCJR	22	0	00
FSET	E	T029A	DAF	1RCJR	255	255	05
FFSW	E	T029B	AFR	1RCLR	53	0	00
FFSY	F	VT029B	SYT	1RCMH	11	0	00
FRCP	E	T029C	MAP	1RCNR	21	0	00
FUMU	F	T029C	MAP	1RCNR	53	0	00
FZVI	E	T029C	MAP	1RCNR	75	0	00
FFYK	F	T029C	SYT	1RCNR	11	0	00
FHRO	E	VT029C	DAF	1RCPR	50	50	05
FOWM	F	VT029C	DAF	1RCPR	4	4	05
FHBO	E	F004C	DAF	1RFDR	501	501	02
FOWM	F	F004C	DAF	1RFDB	32	32	02
FHHO	F	F111A	DAF	1BJAR	63	63	01
FOWM	E	F111A	DAF	1RJAR	10	10	01
FHBC	E	C118A	DAF	1DHAR	420	0	00
FHBO	F	C118A	DAF	1DHAR	56	0	00
FOWM	E	C118A	DAF	1DHAR	5	0	00
FSEN	F	C118A	DAF	1DHAR	1,928	0	00
FFSS	F	C118A	SYT	1DHAR	53	0	00
FKZP	F	VC118A	AFR	1DHRR	21	0	00
FHRO	E	T033A	DAF	1LCAR	74	0	07
FOWM	E	T033A	DAF	1LCAB	7	0	07
FHRM	E	C130A	DAF	1LGAR	502	502	06
FHRO	F	C130A	DAF	1LGAR	327	327	06
FOWM	E	C130A	DAF	1LGAR	10	10	06
FHBO	F	AC130A	DAF	1LGDR	1,255	1,255	06
FNCR	F	AC130A	DAF	1LGDB	1,188	1,188	06
FNKV	F	AC130A	DAF	1LGDR	1,203	1,203	06
FMNM	E	C130B	DAF	1LGHR	2,773	2,773	06
FNRW	E	C130B	DAF	1LGHR	3,166	3,166	06
FHBH	F	HC130H	DAF	1LGSR	99	99	06
FHHO	F	HC130H	DAF	1LGSR	9	9	06
FMGR	F	HC130H	DAF	1LGSR	316	316	06
FOWM	E	HC130H	DAF	1LGSR	0	0	06
FNCT	F	C130Y	DAF	1LGYR	495	495	06
FHHM	F	F105D	DAF	1NEDR	99	0	00
FHHO	F	F105G	DAF	1NFGR	12	0	00
FOWM	E	F105G	DAF	1NFGR	3	0	00
FFYI	F	C123D	AFR	1REBB	94	0	20
FSEV	E	C123B	DAF	1REBR	480	480	04
FGXH	F	C123J	ANG	1REJR	6	0	09
FMPG	F	C123J	FWF	1REJR	12	0	00
FGXM	E	C123K	AFR	1RFKR	286	0	20
FFYH	E	C123K	ANG	1RFKB	57	0	09
FLDH	E	C123K	FWF	1REKB	0	0	00
FNDN	E	C123K	FWF	1REKB	256	0	00

DPEM AUTOMATED FUNDING ALLOCATION TEST FOR 26 JUN 75

PC	RGC	MDS	CUS	WUS	AIC REQ ($000)	AFLC VAL ($000)	PPIC
FTLA	F	C123K	FWF	1REKB	72	0	00
FKPS	E	C123K	MAP	1REKB	107	0	26
FLRA	E	C123K	MAP	1REKB	54	0	26
FSJA	F	C123K	MAP	1REKB	143	0	26
FFYK	E	C123K	SYT	1REKB	11	0	00
FGWL	F	F005A	DAF	1XJAB	39	0	00
FHHM	E	F005A	DAF	1XJAB	24	0	00
FHWX	F	F005A	MAP	1XJAB	59	0	25
FFPK	E	F005B	DAF	1XJCB	227	0	00
FLDI	E	F005B	FWF	1XJCB	172	0	00
FHPN	F	F004E	DAF	1BFGB	18	18	02
FHPN	F	F111A	DAF	1BJAB	10	10	01
FMGB	F	F111A	DAF	1BJAB	18	18	01
FHPG	F	C118A	DAF	1DHAB	2	0	00
FGVI	F	C130E	DAF	1LGNB	64	64	06
FHPI	F	C130E	DAF	1LGNB	2	2	06
FKMP	F	C130E	DAF	1LGNB	8	8	06
FNVU	F	C130E	DAF	1LGNB	64	64	06
FZWC	G	F004C	DAF	1BFDF	52	52	02
FZWC	G	RF004C	DAF	1BFEF	11	11	02
FZWC	G	F111A	DAF	1BJAF	16	16	01
FZWC	G	C130A	DAF	1LGAF	14	14	06
FZWC	G	WC130B	DAF	1LGJF	1	1	06
FZWC	G	F105D	DAF	1NEDF	4	0	00
FZWC	G	F005B	DAF	1XJCF	0	0	00
FUHH	J	VC131H	DAF	1BCHA	789	789	04
FAST	K	AC131A	AFR	1BCAA	90	90	06
FREE	L	T029B	ANG	1BCMA	66	0	18

DPEM AUTOMATED FUNDING ALLOCATION TEST FOR 26 JUN 75

PC	RGC	MDS	CUS	WRS	ALC REQ ($000)	AFLC VAL ($000)	PPIC
HTSD	A	F111A	DAF	1BJAA	4,189	4,189	01
HTXD	A	F111A	DAF	1BJAA	28	28	01
HBCP	A	F111A	SYS	1BJAA	5,339	0	14
HPRR	A	F111A	SYS	1BJAA	8,926	0	14
HTSH	A	F111D	DAF	1BJDA	1,900	1,900	01
HUBA	A	F111D	DAF	1BJDA	35	35	01
HZZA	A	F111D	DAF	1BJDA	622	622	01
HTSF	A	F111D	SYS	1BJDA	755	0	14
HTSJ	A	F111E	DAF	1BJEA	6,926	6,926	01
HUBR	A	F111E	DAF	1BJEA	94	94	01
HSDQ	A	F111E	SYS	1BJEA	4,930	0	14
HTSO	A	F111F	DAF	1BJFA	3,846	3,846	01
HTSL	A	F111F	SYS	1BJFA	1,421	0	14
HBBD	A	T033A	AFR	1LCAA	54	0	23
HBGZ	A	T033A	ANG	1LCAA	97	0	12
HLLB	A	T033A	ANG	1LCAA	552	0	12
HBRF	A	T033A	DAF	1LCAA	482	0	07
HOGN	A	T033A	DAF	1LCAA	293	0	07
HVEC	A	T033A	DAF	1LCAA	984	0	07
HUMO	A	T033A	SYS	1LCAA	66	0	19
HWFZ	A	C130A	FMF	1LGAC	1,500	0	28
HVUN	A	F105B	AFR	1NEBA	524	0	21
HVUO	A	F105B	AFR	1NEBA	197	0	21
HWXO	A	F105B	AFR	1NEBA	80	0	21
HMDC	A	F105B	ANG	1NEBA	90	0	10
HMDJ	A	F105B	ANG	1NEBA	42	0	10
HURC	A	F105B	ANG	1NEBA	148	0	10
HWGR	A	F105D	AFR	1NEDA	897	0	21
HWGD	A	F105D	AFR	1NEDA	197	0	21
HWXR	A	F105D	AFR	1NEDA	222	0	21
HUOY	A	F105D	ANG	1NEDA	310	0	10
HUZD	A	F105D	ANG	1NEDA	275	0	10
HWGF	A	F105D	ANG	1NEDA	374	0	10
HWGH	A	F105D	ANG	1NEDA	98	0	10
HWXS	A	F105F	AFR	1NEFA	25	0	21
HZZR	A	F105F	AFR	1NEFA	99	0	21
HUFF	A	F105F	ANG	1NEFA	487	0	10
HUOA	A	F105F	ANG	1NEFA	56	0	10
HVGA	A	F105F	ANG	1NEFA	88	0	10
HWBF	A	F105G	DAF	1NEGA	1,318	0	00
HWBG	A	F105G	DAF	1NEGA	492	0	00
HZZG	A	F105G	DAF	1NEGA	93	0	00
HRSV	B	F111A	DAF	1BJAA	164	164	01
HTOM	B	F111A	DAF	1BJAA	5	5	01
HTRJ	B	F111A	DAF	1BJAA	4	4	01
HUDE	B	F111A	DAF	1BJAA	1,574	1,574	01
HUTC	B	F111A	DAF	1BJAA	18	18	01
HSRS	B	F111A	SYS	1BJAA	397	0	14
HTRI	B	F111A	SYS	1BJAA	2	0	14
HUPU	B	F111A	SYS	1BJAA	9	0	14

DPEM AUTOMATED FUNDING ALLOCATION TEST FOR 26 JUN 75

PC	RGC	MDS	CUS	WRS	ALC REQ ($000)	AFLC VAL ($000)	PPIC
HTSE	R	F111D	SYS	1RJDA	1,818	1,164	14
HTSI	R	F111E	SYS	1RJEA	847	542	14
HTSM	R	F111F	SYS	1RJFA	618	396	14
HRSV	R	T033A	DAF	1LCAA	62	40	07
HTPN	R	T033A	DAF	1LCAA	2	1	07
HUUW	R	T033A	DAF	1LCAA	5	3	07
HVUI	H	F105D	AFR	1NEDA	37	24	21
HVUJ	H	F105D	AFR	1NEDA	9	6	21
HUHH	H	F105D	ANG	1NEDA	4	3	10
HVUK	H	F105D	ANG	1NEDA	37	24	10
HPSV	H	F105D	DAF	1NEDA	164	0	00
HTAL	H	F105D	DAF	1NEDA	75	0	00
HTUM	H	F105D	DAF	1NEDA	2	0	00
HTSV	P	F105D	DAF	1NEDA	319	0	00
HWHH	H	F105G	DAF	1NFGA	218	0	00
HARD	J	C131A	DIA	1RCAA	54	27	05
HFML	K	VT029D	DIA	1RCSA	88	44	01
HAND	K	F005A	MAS	1XJCA	618	309	02
HAPY	L	F005A	FWF	1XJCA	23	12	01
HTEW	P	F111A	DAF	1RJAA	16	16	01
HRSU	R	F111D	DAF	1RJDA	1	1	01
HTYA	R	F111D	SYS	1RJDG	2	2	14
HUPI	R	C130B	SYT	1LGHG	41	0	00
HPSU	R	F105D	DAF	1NEDA	1	0	00
HRHH	S	F111D	DAF	1RJDA	4	4	01
HTYD	S	F111D	DAF	1RJDA	10	10	01
HWFN	S	C130A	FWF	1LGAC	1	1	28
HWFO	S	C130A	FWF	1LGAC	60	60	28
HWFP	S	C130A	FWF	1LGAC	2	2	28
HWFQ	S	C130A	FWF	1LGAC	9	9	28
HWFS	S	C130A	FWF	1LGAC	11	11	28
HWFU	S	C130A	FWF	1LGAC	9	9	28
HWFV	S	C130A	FWF	1LGAC	2	2	28
HWFW	S	C130A	FWF	1LGAC	44	44	28
HWFX	S	C130A	FWF	1LGAC	1	1	28
HWFY	S	C130A	FWF	1LGAC	30	30	28
HRHH	S	F105D	DAF	1NFDA	4	0	00
HTYD	S	F105D	DAF	1NFDA	10	0	00

DPEM AUTOMATED FUNDING ALLOCATION TEST FOR 26 JUN 75

PC	RGC	MDS	CUS	MDS	ALC REQ ($000)	AFLC VAL ($000)	PPIC
JXCD	A	C118A	AFR	1DHAA	0	0	00
JCML	A	C118A	DAF	1DHAA	1,243	0	00
JCSF	A	C118A	DAF	1DHAA	157	0	00
JJXR	A	C118A	DAF	1DHAA	78	0	00
JXJN	A	C118A	DAF	1DHAA	837	0	00
JTSF	A	C118A	MAC	1DHAA	26	17	13
JGWU	A	C130A	AFR	1LGAA	160	102	22
JWLD	A	C130A	AFR	1LGAA	2,236	1,431	22
JWWP	A	C130A	AFR	1LGAA	522	334	22
JGWV	A	C130A	ANG	1LGAA	160	102	11
JTJM	A	C130A	ANG	1LGAA	610	390	11
JWJK	A	C130A	ANG	1LGAA	1,810	1,158	11
JMCV	A	C130A	DAF	1LGAA	186	119	06
JMKU	A	C130A	DAF	1LGAA	970	621	06
JTNH	A	C130A	FMF	1LGAA	979	627	28
JXEA	A	C130A	FMF	1LGAA	0	0	28
JJRF	A	C130A	SYS	1LGAA	217	139	18
JDXF	A	AC130A	DAF	1LGDA	1,429	915	06
JUMS	A	AC130A	DAF	1LGDA	206	132	06
JUMT	A	AC130A	DAF	1LGDA	265	170	06
JMIA	A	DC130A	DAF	1LGFA	612	392	06
JDGJ	A	C130B	AFR	1LGHA	1,967	1,259	22
JRLY	A	C130B	AFR	1LGHA	1,504	963	22
JTJE	A	C130B	AFR	1LGHA	1,070	685	22
JAEW	A	C130B	ANG	1LGHA	439	281	11
JGGA	A	C130B	ANG	1LGHA	328	210	11
JTJF	A	C130B	ANG	1LGHA	214	137	11
JCZT	A	C130B	DAF	1LGHA	303	194	06
JTNC	A	C130B	DAF	1LGHA	305	195	06
JXFN	A	C130B	DAF	1LGHA	206	132	06
JXEO	A	C130B	DAF	1LGHA	263	168	06
JYFF	A	C130B	DAF	1LGHA	267	171	06
JGWG	A	C130B	MAP	1LGHA	300	0	00
JJYG	A	C130B	MAP	1LGHA	0	0	00
JLUS	A	C130D	DAF	1LGLA	458	293	06
JRWD	A	C130E	ANG	1LGNA	179	115	11
JRWG	A	C130E	ANG	1LGNA	375	240	11
JJWG	A	C130E	ANG	1LGNA	110	70	11
JAWP	A	C130E	DAF	1LGNA	95	61	06
JCVP	A	C130E	DAF	1LGNA	3,964	2,537	06
JDXI	A	C130E	DAF	1LGNA	1,196	765	06
JDXV	A	C130E	DAF	1LGNA	1,395	893	06
JJWI	A	C130E	DAF	1LGNA	261	167	06
JLUY	A	C130E	DAF	1LGNA	4,999	3,199	06
JTJC	A	C130E	DAF	1LGNA	473	303	06
JVFT	A	C130E	DAF	1LGNA	156	100	06
JXFO	A	C130E	DAF	1LGNA	1,228	786	06
JJAP	A	HC130P	DAF	1LGRA	150	96	06
JNUR	A	HC130H	AFR	1LGSA	346	221	22
JDXU	A	HC130H	DAF	1LGSA	367	235	06

DPEM AUTOMATED FUNDING ALLOCATION TEST FOR 26 JUN 75

PC	RGC	MDS	CUS	WRS	ALC REQ ($000)	AFLC VAL ($000)	PPIC
JIWY	A	HC130H	DAF	1LGSA	1,737	1,112	06
JJAA	A	HC130H	DAF	1LGSA	791	506	06
JVFV	A	HC130H	DAF	1LGSA	249	159	06
JSCV	A	C123K	AFR	1RFKA	476	305	20
JTIH	A	C123K	AFR	1REKA	681	436	20
JXEY	A	C123K	AFR	1RFKA	54	35	20
JZFA	A	C123K	ANG	1RFKA	4	3	09
JZEB	A	C123K	DAF	1RFKA	0	0	04
JADF	A	C123K	MAP	1RFKA	60	38	26
JJXO	A	C123K	MAP	1RFKA	230	147	26
JTSS	A	C123K	MAP	1RFKA	395	253	26
JXFH	A	C123K	MAP	1RFKA	47	30	26
JNOE	B	C130A	ANG	1LGAA	0	0	11
JJKL	B	C130A	DAF	1LGAA	497	318	06
JJKK	B	C130B	DAF	1LGHA	60	38	06
JNOF	B	C130D	SYS	1LGLA	81	52	18
JNOR	B	C130E	AFR	1LGNA	81	52	22
JTHP	B	C130E	DAF	1LGNA	63	40	06
JJKJ	B	C123K	DAF	1RFKA	0	0	04
JWWD	B	C123K	DAF	1RFKA	1	1	04
JUST	J	VC118A	SYT	1DHBB	75	38	72
JOTT	K	C130E	DAF	1LGNB	69	35	03
JACK	L	C118A	SYT	1DHAB	9	5	75
JHAW	P	F004D	DAF	1RFED	30	30	02
JJXS	R	C130E	DAF	1LGND	243	243	06

VALIDATION SUMMARY FOR SELECTED WEAPON SYSTEMS

	AIRCRAFT	MISSILE	ENGINE	OMFI	EXCH	A/B/M
REQ	0	0	0	0	0	0
VAL	0	0	0	0	0	0
%	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0
REQ	0	0	0	0	0	0
VAL	0	0	0	0	0	0
%	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0
REQ	38,039	0	11,481	97	69	772
VAL	4,449	0	11,481	71	69	368
%	12	0	100	73	100	47
TOTAL	27	0	70	0	0	2
REQ	0	0	0	0	0	0
VAL	0	0	0	0	0	0
%	0	0	0	0	0	0
%TOTAL	0	0	0	0	0	0
REQ	0	0	0	0	0	0
VAL	0	0	0	0	0	0
%	0	0	0	0	0	0
%TOTAL	0	0	0	0	0	0
REQ	81,355	0	22,174	1,450	290	2,788
VAL	70,202	0	22,174	1,312	0	2,782
%	86	0	100	90	0	100
%TOTAL	73	0	23	1	0	3
REQ	44,467	0	11,038	274	110	39

VALIDATION SUMMARY FOR SELECTED WEAPON SYSTEMS

	AIRCRAFT	MISSILE	ENGINE	OMEI	EXCH	A/B/M
VAL	19,485	0	11,038	274	0	37
%	44	0	100	100	0	95
%TOTAL	63	0	36	1	0	0
REQ	163,861	0	44,693	1,821	469	3,599
VAL	94,856	0	44,693	1,657	69	3,179
%	57	0	100	91	15	88
%TOTAL	65	0	31	1	0	2

OPEN AUTOMATED FUNDING ALLOCATION TEST FOR 26 JUN 75

PC	RGC	MDS	CUS	WRS	ALC REQ ($000)	AFLC VAL ($000)	PPIC
HTSF	B	F111D	SYS	1BJDA	1,818	0	14
HTSI	B	F111E	SYS	1BJEA	847	0	14
HTSM	B	F111F	SYS	1BJFA	618	0	14
HRSV	B	T033A	DAF	1LCAA	62	0	07
HTRN	B	T033A	DAF	1LCAA	2	0	07
HUUW	B	T033A	DAF	1LCAA	5	0	07
HVUI	B	F105D	AFR	1NEDA	37	0	21
HVUJ	B	F105D	AFR	1NEDA	9	0	21
HUHH	B	F105D	ANG	1NEDA	4	0	10
HVUK	B	F105D	ANG	1NEDA	37	0	10
HRSV	B	F105D	DAF	1NEDA	164	0	00
HTAL	B	F105D	DAF	1NEDA	75	0	00
HTOM	B	F105D	DAF	1NEDA	2	0	00
HTSV	B	F105D	DAF	1NEDA	319	0	00
HWBH	G	F105G	DAF	1NEGA	218	0	00
HARD	J	C131A	DIA	1BCAA	54	54	05
HFML	K	VT029D	DIA	1BCSA	88	0	01
HAND	K	F005B	MAS	1XJCA	618	618	02
HAPY	L	F005B	FWF	1XJCA	23	23	01
HTEH	R	F111A	DAF	1BJAA	16	16	01
HRSU	P	F111D	DAF	1BJDA	1	1	01
HTYA	R	F111D	SYS	1BJDG	2	0	14
HUPI	P	C130B	SYT	1LGHG	41	0	00
HPSU	P	F105D	DAF	1NEDA	1	0	00
HBHH	S	F111D	DAF	1BJDA	4	4	01
HTYB	S	F111D	DAF	1BJDA	10	10	01
HWF[illegible]	S	C130A	FWF	1LGAC	1	0	28
HWFD	S	C130A	FWF	1LGAC	60	0	28
HWFP	S	C130A	FWF	1LGAC	2	0	28
HWFQ	S	C130A	FWF	1LGAC	9	0	28
HWFS	S	C130A	FWF	1LGAC	11	0	28
HWFU	S	C130A	FWF	1LGAC	9	0	28
HWFV	S	C130A	FWF	1LGAC	2	0	28
HWFW	S	C130A	FWF	1LGAC	44	0	28
HWFX	S	C130A	FWF	1LGAC	1	0	28
HWFY	S	C130A	FWF	1LGAC	30	0	28
HBHH	S	F105D	DAF	1NEDA	4	0	00
HTYD	S	F105D	DAF	1NEDA	18	0	00

APPENDIX Q

MANUAL TEST FUNDING BY HQ AFLC/MMRER

The annotations on the attached DPEM data bank listing represents a manual funding exercise carried out by HQ AFLC/MMRER on 24 June 1975.

HAPY	I	F005B	FWF	1XJCA	23	11	23
HAND	K	F005B	MAS	1XJCA	618	306	641
HOFY	F	F111D	DAF	18JDH	1,256	816	1,897
DJAH	F	F111A	DAF	13JAB	3,562	2315	5,459
DJGH	F	F111F	DAF	18JFH	6,007	3905	11,466
PJGI	F	F111A	DAF	18JAB	112	73	11,578
ELNO	G	F111A	DAF	18JAG	224	90	11,802
FLNA	G	F111E	DAF	18JFG	34	14	11,836
FSAM	S	F111A	DAF	18JAC	5	5	11,841
FSAN	S	F111A	DAF	18JAC	1	1	11,842
FHRQ	F	F111A	DAF	13JAB	63	41	11,905
FHPH	F	F111A	DAF	18JAB	10	6	11,915
FMGA	F	F111A	DAF	18JAB	18	12	11,933
FOWM	F	F111A	DAF	18JAH	10	6	11,943
F7WC	G	F111A	DAF	18JAF	16	6	11,959
HRHH	S	F111D	DAF	18JDA	4	4	11,963
HRSH	F	F111D	DAF	18JDA	1	1	11,964
HRSV	H	F111A	DAF	18JAA	164	105	12,128
HTEH	W	F111A	DAF	18JAA	16	16	12,144
HTUM	H	F111A	DAF	18JAA	5	3	12,149
HTRJ	H	F111A	DAF	18JAA	4	3	12,153
HTSD	A	F111A	DAF	18JAA	4,189	2694	16,342

OPEN REQUIREMENT SUMMARY BY PPIC

	PC	RCC	MDS	CUS	WHS	AIC REQ ($000)		CUM REQ ($000)
008	HTSH	A	F111D	DAF	18JDA	1,900	1222	18,242
	HTSJ	A	F111E	DAF	18JEA	6,926	4455	25,168
	HTSO	A	F111F	DAF	18JFA	3,846	2474	29,014
	HTXD	A	F111A	DAF	18JAA	28	18	29,042
	HTYD	S	F111D	DAF	18JDA	16	10	29,052
	HUBA	A	F111D	DAF	18JDA	35	23	29,087
	HUHB	A	F111E	DAF	18JEA	94	60	29,181
	HUHF	H	F111A	DAF	18JAA	1,574	1012	30,755
	HUIC	H	F111A	DAF	18JAA	18	12	30,773
	HZZA	A	F111D	DAF	18JDA	622	400	31,395
	JOIT	K	C130E	DAF	1LGNB	69	34	31,464
	FUNM	J	VC131H	DAF	18CHA	789	391	32,253
	HBCP	A	F111A	SYS	18JAA	5,339	3434	37,592
	HPPB	A	F111A	SYS	18JAA	8,926	5741	46,518
	HSUO	A	F111E	SYS	18JFA	4,930	3171	51,448
	HSRS	P	F111A	SYS	18JAA	397	255	51,845
	HTRI	A	F111A	SYS	18JAA	2	1	51,847
	HTSF	P	F111D	SYS	18JDA	1,818	1169	53,665
	HTSF	A	F111D	SYS	18JDA	755	486	54,420
	HTSI	P	F111E	SYS	18JFA	847	545	55,267
	HTSI	A	F111F	SYS	18JFA	1,421	914	56,688
	HTSM	P	F111F	SYS	18JFA	618	397	57,306
	HTYA	P	F111D	SYS	18JDG	2	2	57,308
	HUPU	B	F111A	SYS	18JAA	9	6	57,317
	HAPP	J	C131A	DIA	18CAA	54	27	57,371
	FAST	F	AC131A	AFR	18CAA	90	45	57,461
	FESF	A	F005B	MAP	1XJCA	182	117	57,643
	FHWX	F	F005A	MAP	1XJAB	59	38	57,702
	FHWJ	A	F005E	MAP	1XJFA	74	48	57,776
	FAST	I	AC131D	DAF	18CDA	45	22	57,821
	FDZN	F	F005B	MAS	1XJCA	201	129	58,022
	FGGZ	A	F005H	MAS	1XJCA	42	27	58,064
	FHAV	A	F005E	MAS	1XJFA	506	325	58,570
	FACK	K	F004D	DAF	18FFA	235	117	58,805
	FARK	A	F004C	ANG	18FDA	552	355	59,357
	FKAH	A	RF004C	ANG	18FFA	90	58	59,447
	FTML	C	F004C	ANG	18FDG	72	29	59,519
	FNCF	A	RF004C	ANG	18FFA	2,200	1415	61,719
	DHAY	F	F004E	DAF	18FGB	5,828	3788	67,547
	BJGF	F	F004D	DAF	19FFC	32	21	67,579
	DJGG	F	F004D	DAF	18FFC	34	22	67,613
	DORK	E	RF004C	DAF	13FFH	14,613	9498	82,226
	DOAL	F	F004E	DAF	18FGB	1,116	725	83,342
	FAIN	S	F004C	DAF	18FDA	2,059	2059	85,401
	FAIO	S	F004C	DAF	18FDA	31	31	85,432
	FAIR	S	F004C	DAF	18FDA	0	0	85,432
	FAIS	S	F004C	DAF	18FDA	546	546	85,978
	FAKG	A	F004D	DAF	18FFA	268	172	86,246
	FAPR	A	F004C	DAF	18FDA	64	41	86,310
	FARG	A	F004E	DAF	18FGA	0	2	86,310

DPEM REQUIREMENT SUMMARY BY PPIC

PC	RGC	MDS	CUS	WRS	ALC REQ ($000)	CUM REQ ($000)
FARI	A	F004D	DAF	18FFA	0	86,310
FANA	B	F004D	DAF	18FFA	184 118	86,494
FBBK	A	F004E	DAF	18FGA	3,727 2397	90,221
FBBT	A	F004C	DAF	18FDA	565 363	90,786
FBSA	A	F004C	DAF	18FDA	734 472	91,520
FCVA	A	F004C	DAF	18FDA	7,136 4590	98,656
FDFD	B	F004C	DAF	18FDG	314 - 126	98,970
FGAF	B	F004C	DAF	18FDA	183 118	99,153
FGAF	B	F004D	DAF	18FFA	0 0	99,153
FGAG	B	F004D	DAF	18FFA	0 0	99,153
FGAH	B	F004F	DAF	18FGA	0 0	99,153
FGAI	B	RF004C	DAF	18FEA	0 0	99,153
FGAK	B	RF004C	DAF	18FEA	0 0	99,153
FJFM	A	F004C	DAF	18FDA	29 19	99,182
FJFO	A	F004E	DAF	18FGA	54 35	99,236
FJFS	A	RF004C	DAF	18FEA	84 54	99,320
FJPY	A	RF004C	DAF	18FEA	3,498 2250	102,818
FKLI	A	F004C	DAF	18FDA	810 521	103,628
FLEF	A	F004D	DAF	18FFA	1,407 905	105,035
FLNQ	G	F004D	DAF	18FFG	406 162	105,441
FLN.	G	RF004C	DAF	18FEG	56 22	105,497
FLN.	G	F004C	DAF	18FDG	243 77	105,740
FLNR	G	RF004C	DAF	18FEG	34 14	105,774
FLNS	G	F004C	DAF	18FDG	196 78	105,970
FMCH	A	F004F	DAF	18FGA	20,221 13006	126,191
FMCO	A	RF004C	DAF	18FFA	1,430 920	127,621
FMCT	A	F004D	DAF	18FFA	4,281 2753	131,902
FRMN	A	F004C	DAF	18FDA	2,278 1465	134,180
FRMO	A	F004D	DAF	18FFA	4,922 3166	139,102
FRMP	A	RF004C	DAF	18FFA	1,296 834	140,398
FRMW	A	F004D	DAF	18FFA	2,857 1838	143,255
FRMX	A	RF004C	DAF	18FFA	345 222	143,600
FRUZ	A	F004F	DAF	18FGA	1,821 1171	145,421
FRSF	A	F004E	DAF	18FGA	2,061 1326	147,482
FSAM	S	F004C	DAF	18FDA	92 52	147,574
FSAN	S	F004C	DAF	18FDA	24 24	147,598
FTHB	A	F004C	DAF	18FDA	110 71	147,708
FTHC	A	F004C	DAF	18FDA	70 45	147,778
FTHD	A	F004D	DAF	18FFA	225 145	148,003
FTHE	A	F004D	DAF	18FFA	124 80	148,127
FTHF	A	F004E	DAF	18FGA	359 231	148,486
FTHG	A	F004E	DAF	18FGA	167 107	148,653
FTHH	A	RF004C	DAF	18FEA	106 68	148,759
FTHI	A	RF004C	DAF	18FEA	125 80	148,884
FTHJ	A	F004F	DAF	18FGA	371 239	149,255
FTHK	A	F004F	DAF	18FGA	436 280	149,691
FUWB	C	F004D	DAF	18FFA	175 113	149,866
FUXC	A	F004E	DAF	18FGA	2,123 1365	151,989
FXBK	A	F004F	DAF	18FGA	5,556 3574	157,545
FHHQ	F	F004C	DAF	18FDH	501 326	158,046

DPEM REQUIREMENT SUMMARY BY PPIC

PC	RGC	MDS	CUS	WHS	ALC REQ ($000)		CUM REQ ($000)
FUP9	C	F004E	DAF	18FGH	18	12	158,064
FOWM	F	F004C	DAF	18FDH	32	21	158,096
FZWC	G	F004C	DAF	18FDF	52	22	158,148
FZWC	G	RF004C	DAF	18FFF	11	4	158,159
JUAH	K	F004D	DAF	18FFD	30	30	158,189
DHCF	L	F111D	DAF	18JDH	110	54	158,299
FREF	I	T029H	ANG	18CMA	66	43	158,365
LAUN	G	F004C	MAP	18FDG	66	26	158,431
FWHC	A	F004D	MAP	18FFA	832	535	159,263
USIS	K	F004E	DAF	18FGH	55	27	159,318
FAIM	S	F004D	SYS	18FFC	6	6	159,324
FGOC	A	F004E	SYS	18FGA	431	277	159,755
FGOD	A	F004E	SYS	18FGA	727	468	160,482
FGOF	A	F004E	SYS	18FGA	718	462	161,200
FGOG	A	F004E	SYS	18FGA	1,282	825	162,482
FGOH	A	F004E	SYS	18FGA	158	102	162,640
FGOI	A	F004E	SYS	18FGA	587	378	163,227
FGOJ	A	RF004C	SYS	18FFA	143	92	163,370
FGOK	A	RF004C	SYS	18FFA	9	6	163,379
FGOL	A	RF004C	SYS	18FFA	61	39	163,440
FGOM	A	RF004C	SYS	18FFA	21	14	163,461
FGON	A	RF004C	SYS	18FFA	5	3	163,466
FGOO	A	F004C	SYS	18FDA	105	68	163,571
FGOP	A	F004C	SYS	18FDA	15	10	163,586
[illegible]	A	[illegible]	SYS	18FDA	214	137	163,800
FGOR	A	F004C	SYS	18FDA	32	21	163,832
FGOS	A	F004C	SYS	18FDA	16	10	163,848
FGOW	A	F004D	SYS	18FFA	18	12	163,866
FGOX	A	F004D	SYS	18FFA	93	60	163,959
FJMK	A	F004D	SYS	18FFA	677	435	164,636
FWOR	A	F004C	SYS	18FDA	1,030	662	165,666
FWCA	A	RF004C	SYS	18FFA	1,137	731	166,803
HVGI	G	F105D	AFR	1NFDA	37	24	166,840
HVGJ	H	F105D	AFR	1NEDA	9	6	166,849
HVGN	A	F105B	AFR	1NFBA	524	337	167,373
HVG?	A	F105B	AFR	1NFBA	197	127	167,570
HWGG	A	F105D	AFR	1NFDA	897	577	168,467
HWGP	A	F105D	AFR	1NFDA	197	127	168,664
HWXQ	A	F105B	AFR	1NEBA	80	51	168,744
HWXR	A	F105D	AFR	1NFDA	222	143	168,966
HWXS	A	F105F	AFR	1NFFA	25	16	168,991
HZZR	A	F105F	AFR	1NFFA	99	64	169,090
HMUC	A	F105B	ANG	1NFBA	90	58	169,180
HMUJ	A	F105B	ANG	1NFBA	42	27	169,222
HUFF	A	F105F	ANG	1NFFA	487	313	169,709
HUGU	B	F105D	ANG	1NEDA	4	3	169,713
HUGY	A	F105D	ANG	1NFDA	310	199	170,023
HUGA	A	F105F	ANG	1NFFA	56	36	170,079
HUGC	A	F105B	ANG	1NFBA	148	95	170,227
HUZD	A	F105D	ANG	1NFDA	275	177	170,502

DPEM REQUIREMENT SUMMARY BY PPIC

PC	PGC	MDS	CUS	WHS	ALC REQ ($000)		CUM REQ ($000)
FVGA	A	F105F	ANG	1NFFA	88	57	170,590
FVUK	B	F105D	ANG	1NFDA	37	24	170,627
FWGF	A	F105D	ANG	1NFDA	374	241	171,001
FWGH	A	F105D	ANG	1NFDA	98	63	171,099
JTSF	A	C118A	MAC	1DHAA	26	17	171,125
LTHM	C	C130B	AFR	1LGHG	- 26	10	171,151
JDGJ	A	C130B	AFR	1LGHA	1,967	1265	173,118
JGWU	A	C130A	AFR	1LGAA	160	103	173,278
JNUR	B	C130E	AFR	1LGNA	81	52	173,359
JNJP	A	HC130H	AFR	1LGSA	346	223	173,705
JRLY	A	C130B	AFR	1LGHA	1,504	967	175,209
JTJF	A	C130B	AFR	1LGHA	1,070	688	176,279
JHLP	A	C130A	AFR	1LGAA	2,236	1438	178,515
JWWR	A	C130A	AFR	1LGAA	522	336	179,037
JAEW	A	C130B	ANG	1LGHA	439	282	179,476
JHKR	A	C130E	ANG	1LGNA	179	115	179,655
JRPG	A	C130E	ANG	1LGNA	375	241	180,030
JDGK	A	C130B	ANG	1LGHA	328	211	180,358
JGWV	A	C130A	ANG	1LGAA	160	103	180,518
JJPG	A	C130E	ANG	1LGNA	110	71	180,628
JPWF	B	C130A	ANG	1LGAA	0	0	180,628
JTJF	A	C130B	ANG	1LGHA	214	138	180,842
JTJH	A	C130A	ANG	1LGAA	610	392	181,452
JWJK	A	C130A	ANG	1LGAA	1,810	1164	183,262
FGVR	B	HC130H	DAF	1LGSA	360	360	183,622
FLWQ	G	C130E	DAF	1LGNG	56	22	183,678
FGVI	F	C130E	DAF	1LGNB	64	42	183,742
FHHM	F	HC130H	DAF	1LGSB	99	64	183,841
FHRM	F	C130A	DAF	1LGAB	502	326	184,343
FHHQ	F	AC130A	DAF	1LGDB	1,255	816	185,598
FHHG	F	C130A	DAF	1LGAB	327	213	185,925
FHMQ	F	HC130H	DAF	1LGSB	9	6	185,934
FHPI	F	C130E	DAF	1LGNB	2	1	185,936
FKMP	F	C130E	DAF	1LGNB	8	5	185,944
FMGP	F	HC130H	DAF	1LGSB	316	205	186,260
FMNM	F	C130B	DAF	1LGHB	2,773	1802	189,033
FNCR	F	AC130A	DAF	1LGDB	1,188	772	190,221
FNCT	F	C130Y	DAF	1LGYB	495	322	190,716
FNRV	E	AC130A	DAF	1LGDB	1,203	782	191,919
FNRP	F	C130B	DAF	1LGHB	3,166	2058	195,085
FNVU	F	C130E	DAF	1LGNB	64	42	195,149
FQWM	F	C130A	DAF	1LGAB	10	6	195,159
FQWM	F	HC130H	DAF	1LGSB	0	0	195,159
FZWC	C	C130A	DAF	1LGAF	14	6	195,173
FZWC	C	HC130B	DAF	1LGJF	1	0	195,174
JANP	A	C130E	DAF	1LGNA	95	61	195,269
JCVR	A	C130E	DAF	1LGNA	3,964	2550	199,233
JCZT	A	C130B	DAF	1LGHA	303	195	199,536
JDXF	A	AC130A	DAF	1LGDA	1,429	919	200,965
JDXI	A	C130E	DAF	1LGNA	1,196	767	202,161

OPEN REQUIREMENT SUMMARY BY PPIC

PC	RGC	MDS	CUS	WUS	ALC REQ ($000)	CUM REQ ($000)
JDXU	A	HC130H	DAF	1LGSA	367 236	202,528
JDXV	A	C130E	DAF	1LGNA	1,395 897	203,923
JJWY	A	HC130H	DAF	1LGSA	1,737 1117	205,660
JJAA	A	HC130H	DAF	1LGSA	791 509	206,451
JJAP	A	HC130E	DAF	1LGRA	150 96	206,601
JJKK	B	C130H	DAF	1LGHA	60 39	206,661
JJKL	B	C130A	DAF	1LGAA	497 320	207,158
JJRI	A	C130E	DAF	1LGNA	261 168	207,419
JJXS	B	C130E	DAF	1LGND	243 243	207,662
JLDS	A	C130D	DAF	1LGLA	458 295	208,120
JLDY	A	C130E	DAF	1LGNA	4,999 3215	213,119
JMCV	A	C130A	DAF	1LGAA	186 120	213,305
JMIA	A	RC130A	DAF	1LGEA	612 394	213,917
JMKU	A	C130A	DAF	1LGAA	970 624	214,887
JTH-	B	C130E	DAF	1LGNA	63 41	214,950
JTJC	A	C130E	DAF	1LGNA	473 304	215,423
JTNC	A	C130B	DAF	1LGHA	305 196	215,728
JUMS	A	AC130A	DAF	1LGDA	206 132	215,934
JUMT	A	AC130A	DAF	1LGDA	265 170	216,199
JVFT	A	C130E	DAF	1LGNA	156 100	216,355
JVFV	A	HC130H	DAF	1LGSA	249 160	216,604
JXFR	A	C130B	DAF	1LGHA	206 132	216,810
JXFO	A	C130B	DAF	1LGHA	263 169	217,073
JXFP	A	C130B	DAF	1LGHA	267 172	217,340
JXFQ	A	C130E	DAF	1LGNA	1,228 790	218,568
HWFN	S	C130A	FWF	1LGAC	1 1	218,569
HWFO	S	C130A	FWF	1LGAC	60 60	218,629
HWFP	S	C130A	FWF	1LGAC	2 2	218,631
HWFQ	S	C130A	FWF	1LGAC	9 9	218,640
HWFS	S	C130A	FWF	1LGAC	11 11	218,651
HWFU	S	C130A	FWF	1LGAC	9 9	218,660
HWFV	S	C130A	FWF	1LGAC	2 2	218,662
HWFW	S	C130A	FWF	1LGAC	44 44	218,706
HWFX	S	C130A	FWF	1LGAC	1 1	218,707
HWFY	S	C130A	FWF	1LGAC	30 30	218,737
HWFZ	A	C130A	FWF	1LGAC	1,500 965	220,237
JTNU	A	C130A	FWF	1LGAA	979 630	221,216
JXFA	A	C130A	FWF	1LGAA	0 0	221,216
JJRF	A	C130A	SYS	1LGAA	217 140	221,433
JMQF	B	C130D	SYS	1LGLA	81 52	221,514
FFYI	F	C123B	AFR	19FBB	94 61	221,608
FGXM	F	C123K	AFR	19FKB	286 186	221,894
JSCV	A	C123K	AFR	19FKA	476 306	222,370
JTIH	A	C123K	AFR	19FKA	681 438	223,051
JXEY	A	C123K	AFR	19FKA	54 35	223,105
FFYH	F	C123K	ANG	19FKB	57 37	223,162
FGXH	F	C123J	ANG	19EJB	6 4	223,168
JZEA	A	C123K	ANG	19FKA	4 3	223,172
FSCV	F	C123B	DAF	19FBB	480 312	223,652
JJRJ	B	C123K	DAF	19FKA	0	223,652

DPEM REQUIREMENT SUMMARY BY PPIC

PC	RGC	MDS	CUS	WHS	ALC REQ ($000)	CUM REQ ($000)
JWWD	B	C123K	DAF	1REKA	1 1	223,653
J7ER	A	C123K	DAF	1REKA	0	223,653
FXPS	F	C123K	MAP	1REKB	107 70	223,760
FLFA	F	C123K	MAP	1REKB	54 35	223,814
FSJA	F	C123K	MAP	1REKB	143 93	223,957
JAUF	A	C123K	MAP	1REKA	60 39	224,017
JJXQ	A	C123K	MAP	1REKA	230 148	224,247
JTSS	A	C123K	MAP	1REKA	395 254	224,642
JXFH	A	C123K	MAP	1REKA	47 30	224,689
FCWO	A	C131A	DAF	1RCAA	235 151	224,924
FFJX	A	VC131H	DAF	1RCHA	60 39	224,984
FFSH	A	VT029C	DAF	1RCPA	28 18	225,012
FUUQ	F	VT029C	DAF	1RCPB	50 32	225,062
FHKQ	F	C131A	DAF	1RCAB	42 27	225,104
FHGY	F	C131B	DAF	1RCBB	7 5	225,111
FIUM	F	VC131H	DAF	1RCHB	50 32	225,161
FIUP	A	VC131H	DAF	1RCHA	32 21	225,193
FJUC	A	C131A	DAF	1RCAA	61 37	225,254
FJUF	A	VT029B	DAF	1RCHA	33 21	225,287
FMJS	A	T029B	DAF	1RCLA	857 551	226,144
FNBQ	A	C131A	DAF	1RCAA	15 10	226,159
FNUP	A	T029C	DAF	1RCHA	435 280	226,594
FNUT	A	T029A	DAF	1RCJA	116 75	226,710
FOWM	F	VT029C	DAF	1RCPB	4 3	226,714
FOWM	F	C131A	DAF	1RCAB	6 4	226,720
[illegible]	[illegible]	VT029H	DAF	1RCHA	10 6	226,730
FSCT	F	T029A	DAF	1RCJB	255 166	226,985
FSFV	F	C131A	DAF	1RCAB	1,178 766	228,163
FSFX	F	C131B	DAF	1RCBB	308 200	228,471
FSHN	A	VT029H	DAF	1RCHA	230 148	228,701
FSHQ	A	VT029H	DAF	1RCHA	12 8	228,713
FSHR	A	VT029D	DAF	1RCSA	36 23	228,749
FZZP	A	C131B	DAF	1RCBA	10 6	228,759
FZZQ	A	C131A	DAF	1RCAA	12 8	228,771
FZZR	A	C131A	DAF	1RCAA	143 92	228,914
FZZS	A	C131B	DAF	1RCBA	66 42	228,980
FVVS	A	C131A	DIA	1RCAA	10 6	228,990
FVVV	A	VT029D	DIA	1RCSA	10 6	229,000
HRBD	A	T033A	AFR	1LCAA	54 35	229,054
HRUV	F	T033A	ANG	1LCAB	119 77	229,173
H9BZ	A	T033A	ANG	1LCAA	97 62	229,270
HLIR	A	T033A	ANG	1LCAA	552 355	229,822
FHKQ	F	T033A	DAF	1LCAB	74 48	229,896
FQWM	F	T033A	DAF	1LCAB	7 6	229,903
HRHF	A	T033A	DAF	1LCAA	482 310	230,385
HQGH	A	T033A	DAF	1LCAA	293 187	230,678
HPSV	B	T033A	DAF	1LCAA	62 40	230,740
HTKN	B	T033A	DAF	1LCAA	2 1	230,742
HUDW	B	T033A	DAF	1LCAA	5 3	230,747
HVFC	A	T033A	DAF	1LCBA	904 560	231,651

OPEM REQUIREMENT SUMMARY BY PPIC

PC	RCC	MDS	CUS	WRS	A/C REQ ($000)	CUM REQ ($000)
HUMO	A	T033A	SYS	1LCAA	66 41	231,717
ENHY	J	AC131B	SYT	1BCRA	3 2	231,720
JUST	J	VC118A	SYT	1DHRB	75 37	231,795
PARC	J	T033A	MAP	1LCAH	20 10	231,815
PKKA	J	F105D	DAF	1NFDK	33 16	231,848
JACK	I	C118A	SYT	1DHAR	9 4	231,857
HEML	K	V1029D	DIA	19CSA	88 44	231,945

150,000

APPENDIX R

PROGRAM LISTING FOR FUND.S MODIFICATION

ATALOG/FILE DESCRIPTION= OM/FUND;S

```
0##M,R(AC) 1,8,16/\,12,30
0S:IDENT;WP0964,ADDRL/HILLIS R D  72898  FUND;S
0S:LIMITS:15,,,9K
0S:OPTION:NOMAP
0S:COBOL:DECK
0S:PRMFL:C*,W,S,WORKN/FUND,0
0:IDENTIFICATION DIVISION.
0:PROGRAM-ID. FUND.
0:ENVIRONMENT DIVISION.
00:CONFIGURATION SECTION.
10:SPECIAL-NAMES.
20\COMPILE ERRORS.
30:FILE-CONTROL.
40\SELECT INFILE ASSIGN TO AA.
50\SELECT OTFILE ASSIGN TO BB.
60:I-O-CONTROL.
70\APPLY STANDARD ON INFILE OTFILE.
80:DATA DIVISION.
90:FILE SECTION.
00:FD INFILE
10\LABEL RECORDS STANDARD.
20:01 INREC.
30\03 FILLER\PIC X(36).
40:FD OTFILE
50\LABEL RECORDS STANDARD.
60:01 OTREC.
70\03 FILLER\PIC X(42).
80:WORKING-STORAGE SECTION.
90:77 INCNT\PIC 9(7) VALUE 0 COMP-1.
00:77 OTCNT\PIC 9(7) VALUE 0 COMP-1.
10:77 DISCNT\PIC Z(6)9.
20:77 BUDGET\PIC 9(8) COMP-1.
30:77 REQMT\PIC 9(7) COMP-1.
40:77 NOCNT\PIC 9(7) VALUE 0 COMP-1.
50:77 RQ\PIC 9(7) COMP-1.
60:77 RGCH\PIC XX.
70\88 ACFT\VALUE "21" "22" "23".
180\88 ENG\VALUE "05" "06" "07" "08" "09".
90\88 OMEI\VALUE "17" "18" "19" "20".
.00\88 EXCH\VALUE "10" "11" "12" "13" "14" "15" "16".
.10\88 ABM\VALUE "01" "02" "03" "04".
.20:01 IREC.
.30\03 IDI\PIC X(12).
.40\03 RGC\PIC X.
.50\03 IDM\PIC X(10).
.60\03 REQ\PIC 9(7).
.70\03 PPIC\PIC XX.
180\03 FILLER\PIC X(4).
190:01 OREC.
500\03 IDO\PIC X(12).
510\03 RGCO\PIC X.
520\03 IDK\PIC X(10).
530\03 D\PIC 9(7).
540\03 PRI\PIC XX.
550\03 FUND\PIC 9(7).
560\03 FILLER\PIC XXX.
570:01 BUDALL.
```

```
580\03 BUD\PIC 9(8).
590:PROCEDURE DIVISION.
600:START-0.
610\OPEN INPUT INFILE OUTPUT OTFILE.
620\ACCEPT BUDALL.
630\DISPLAY "TOTAL BUDGET AMOUNT = " BUD.
640\MOVE BUD TO BUDGET.
650:READ-10.
660\READ INFILE AT END GO TO END-90.
670\ADD 1 TO INCNT.
680\MOVE INREC TO IREC.
690\EXAMINE REQ REPLACING ALL " " BY "0".
700\MOVE REQ TO REQMT.
710:ALL-20.
720\MOVE RGC TO RGCO.
730\MOVE IDM TO IDK.
740\MOVE IDI TO IDO MOVE REQMT TO D.
750\MOVE PPIC TO PRI RGCH.
760\IF PPIC = "00" MOVE 0 TO FUND
770\ADD 1 TO OTCNT
780\WRITE OTREC FROM OREC GO TO READ-10.
790\IF BUDGET = 0 MOVE BUDGET TO FUND
800\ADD 1 TO NOCNT WRITE OTREC FROM OREC
810\GO TO READ-10.
820\IF ACFT COMPUTE RQ ROUNDED = 15 * REQMT / 100.
830\IF ENG COMPUTE RQ ROUNDED = 40 * REQMT / 100.
840\IF OMEI COMPUTE RQ ROUNDED = 20 * REQMT / 100.
850\IF EXCH COMPUTE RQ ROUNDED = 30 * REQMT / 100.
860\IF ABM COMPUTE RQ ROUNDED = 60 * REQMT / 100.
870\IF PPIC = "24" OR "25"
880\COMPUTE RQ ROUNDED = 10 * REQMT / 100.
890\IF PPIC = "26" OR "27"
900\COMPUTE RQ ROUNDED = 5 * REQMT / 100.
910\IF PPIC > "27"
920\COMPUTE RQ ROUNDED = 5 * REQMT / 100.
930\MOVE RQ TO REQMT.
940\IF BUDGET < REQMT MOVE BUDGET TO FUND
950\MOVE BUDGET TO BUD MOVE REQMT TO REQ
960\DISPLAY "BUDGET AMT = " BUD "IS LESS THAN"
970\" REQMT = " REQ "FOR THIS PC " IREC
980\MOVE 0 TO BUDGET ADD 1 TO OTCNT
990\WRITE OTREC FROM OREC GO TO READ-10.
1000\SUBTRACT REQMT FROM BUDGET.
1010\MOVE REQMT TO FUND.
1020\ADD 1 TO OTCNT.
1030\WRITE OTREC FROM OREC.
1040\GO TO READ-10.
1050:END-90.
1060\MOVE INCNT TO DISCNT.
1070\DISPLAY "NO. OF REC READ = " DISCNT.
1080\MOVE OTCNT TO DISCNT.
1090\DISPLAY "NO. OF PC FUNDED = " DISCNT.
1100\MOVE NOCNT TO DISCNT.
1110\DISPLAY "NO. OF PC NOT FUNDED = " DISCNT.
1120\CLOSE INFILE OTFILE.
1130\STOP RUN.
1140$:ENDJOB
```

APPENDIX S

SECOND TEST RESULTS OF THE MODEL

The attached reports were produced by the model using similar criteria to those used in the manual funding at Appendix O.

DPEM AUTOMATED FUNDING ALLOCATION TEST FOR 26 JUN 75

PC	RGC	MDS	CUS	MRS	AIC REQ ($000)	AFLC VAL ($000)	PPIC
DORK	F	RF004C	DAF	1RFFB	14,613	9,498	02
DHAY	F	F004E	DAF	1RFGB	5,828	3,788	02
DQAL	F	F004E	DAF	1RFGB	1,116	725	02
DJAU	F	F111A	DAF	1BJAB	3,562	2,315	01
DHFY	F	F111D	DAF	1BJDB	1,256	816	01
DJGH	F	F111F	DAF	1BJFB	6,007	3,905	01
DHUV	F	T033A	ANG	1LCAB	119	77	12
DFAR	F	T033A	MAP	1LCAB	31	0	00
DHYX	F	F105D	DAF	1NFDB	975	0	00
DJGF	F	F004D	DAF	1RFFC	32	21	02
DJGC	F	F004D	DAF	1RFFC	34	22	02
DJGI	F	F111A	DAF	1BJAB	112	73	01
DIPY	F	F105D	DAF	1NFDB	56	0	00
DABC	J	T033A	MAP	1LCAB	20	10	73
DKKA	J	F105D	DAF	1NFDB	33	17	74
DSIS	K	F004E	DAF	1RFGB	55	28	11
DRCF	L	F111D	DAF	1BJDB	110	55	09

DPEM AUTOMATED FUNDING ALLOCATION TEST FOR 26 JUN 75

PC	RGC	MDS	CUS	WHS	ALC REQ ($000)	AFLC VAL ($000)	PPIC
ETHG	A	F004E	DAF	1BFGA	167	107	02
ETHJ	A	F004E	DAF	1BFGA	371	237	02
ETHK	A	F004E	DAF	1BFGA	436	279	02
EUXC	A	F004E	DAF	1BFGA	2,123	1,359	02
EXHK	A	F004E	DAF	1BFGA	5,556	3,556	02
EGOC	A	F004E	SYS	1BFGA	431	276	16
EGOD	A	F004E	SYS	1BFGA	727	465	16
EGOE	A	F004E	SYS	1BFGA	718	460	16
EGOG	A	F004E	SYS	1BFGA	1,282	820	16
EGOH	A	F004E	SYS	1BFGA	158	101	16
EGOI	A	F004E	SYS	1BFGA	587	376	16
EGAE	H	F004C	DAF	1BFDA	183	117	02
EGAI	H	RF004C	DAF	1BFEA	0	0	02
EGAK	H	RF004C	DAF	1BFEA	0	0	02
EANA	B	F004D	DAF	1BFFA	184	118	02
EGAF	B	F004D	DAF	1BFFA	0	0	02
EGAG	B	F004D	DAF	1BFFA	0	0	02
EUWB	B	F004D	DAF	1BFFA	175	112	02
EGAU	B	F004E	DAF	1BFGA	0	0	02
ETUL	G	F004C	ANG	1BFDG	72	29	08
ELN?	G	F004C	DAF	1BFDG	243	97	02
ELN?	G	F004C	DAF	1BFDG	196	78	02
EAHN	G	F004C	MAP	1BFDG	66	26	29
ELNO	G	RF004C	DAF	1BFEG	56	22	02
ELNP	G	RF004C	DAF	1BFEG	34	14	02
ELNO	G	F004D	DAF	1BFFG	406	162	02
ELNO	G	F111A	DAF	1BJAG	224	90	01
ELNP	G	F111E	DAF	1BJEG	34	14	01
ETBM	G	C130H	AFR	1LGHG	26	10	22
ELNO	G	C130E	DAF	1LGNG	56	22	06
EDEO	H	F004C	DAF	1BFDG	314	126	02
ENNY	J	AC131B	SYT	1BCBA	3	2	71
EACK	K	F004D	DAF	1BFFA	235	118	08
EAST	L	AC131D	DAF	1BCDA	45	23	07
EGAJ	N	AC130A	SYT	1LGDG	174	0	00
ECVG	N	HC130H	DAF	1LGSA	360	360	06
EREA	N	F105D	DAF	1NFDA	206	0	00
EAIN	S	F004C	DAF	1BFDA	2,059	2,059	02
EAIO	S	F004C	DAF	1BFDA	31	31	02
EAIR	S	F004C	DAF	1BFDA	0	0	02
EAIS	S	F004C	DAF	1BFDA	546	546	02
ESAM	S	F004C	DAF	1BFDA	92	92	02
ESAN	S	F004C	DAF	1BFDA	24	24	02
EAIM	S	F004D	SYS	1BFFC	6	6	16
ESAM	S	F111A	DAF	1BJAC	5	5	01
ESAN	S	F111A	DAF	1BJAC	1	1	01
EAIP	S	F105B	DAF	1NFBC	0	0	00
ESAM	S	F105B	DAF	1NFBC	8	0	00
ESAN	S	F105B	DAF	1NFBC	2	0	00

DPEM AUTOMATED FUNDING ALLOCATION TEST FOR 26 JUN 75

PC	RGC	MDS	CUS	WRS	ALC REQ ($000)	AFLC VAL ($000)	PPIC
FARK	A	F004C	ANG	18FDA	552	353	08
FAPH	A	F004C	DAF	18FDA	64	41	02
FBDT	A	F004C	DAF	18FDA	565	362	02
FBSA	A	F004C	DAF	18FDA	734	470	02
FCVA	A	F004C	DAF	18FDA	7,136	4,567	02
FJFM	A	F004C	DAF	18FDA	29	19	02
FKLI	A	F004C	DAF	18FDA	810	518	02
FPMN	A	F004C	DAF	18FDA	2,278	1,458	02
FTHB	A	F004C	DAF	18FDA	110	70	02
FTHC	A	F004C	DAF	18FDA	70	45	02
FGOO	A	F004C	SYS	18FDA	105	67	16
FGOP	A	F004C	SYS	18FDA	15	10	16
FGOQ	A	F004C	SYS	18FDA	214	137	16
FGOR	A	F004C	SYS	18FDA	32	20	16
FGOS	A	F004C	SYS	18FDA	16	10	16
FWHP	A	F004C	SYS	18FDA	1,030	659	16
FKAU	A	RF004C	ANG	18FEA	90	58	08
FWCF	A	RF004C	ANG	18FEA	2,200	1,408	08
FJFS	A	RF004C	DAF	18FEA	84	54	02
FJPY	A	RF004C	DAF	18FEA	3,498	2,239	02
FMCO	A	RF004C	DAF	18FEA	1,430	915	02
FRMP	A	RF004C	DAF	18FEA	1,296	829	02
FRMX	A	RF004C	DAF	18FEA	345	221	02
FTHH	A	RF004C	DAF	18FEA	106	68	02
FTHI	A	RF004C	DAF	18FEA	125	80	02
FGOJ	A	RF004C	SYS	18FEA	143	92	16
FGOK	A	RF004C	SYS	18FEA	9	6	16
FGOL	A	RF004C	SYS	18FEA	61	39	16
FGOM	A	RF004C	SYS	18FEA	21	13	16
FGON	A	RF004C	SYS	18FEA	5	3	16
FMCA	A	RF004C	SYS	18FEA	1,137	728	16
FAKG	A	F004D	DAF	18FFA	268	172	02
FAKI	A	F004D	DAF	18FFA	0	0	02
FLFF	A	F004D	DAF	18FFA	1,407	900	02
FMCT	A	F004D	DAF	18FFA	4,281	2,740	02
FRMO	A	F004D	DAF	18FFA	4,922	3,150	02
FRMW	A	F004D	DAF	18FFA	2,857	1,828	02
FTHB	A	F004D	DAF	18FFA	225	144	02
FTHF	A	F004D	DAF	18FFA	124	79	02
FWHC	A	F004D	MAP	18FFA	832	532	29
FGOW	A	F004D	SYS	18FFA	18	12	16
FGOX	A	F004D	SYS	18FFA	93	60	16
EJMK	A	F004D	SYS	18FFA	677	433	16
FAKG	A	F004E	DAF	18FGA	0	0	02
FBHK	A	F004E	DAF	18FGA	3,727	2,385	02
FJFO	A	F004E	DAF	18FGA	54	35	02
FMCH	A	F004E	DAF	18FGA	20,221	12,941	02
FROZ	A	F004E	DAF	18FGA	1,821	1,165	02
FRSF	A	F004E	DAF	18FGA	2,061	1,319	02
ETRF	A	F004E	DAF	18FGA	359	230	02

DPEM AUTOMATED FUNDING ALLOCATION TEST FOR 26 JUN 75

PC	RGC	MDS	CUS	WAS	ALC REQ ($000)	AFLC VAL ($000)	PPIC
FDZP	A	C131A	AFR	1BCAA	34	0	00
FTIA	A	C131A	ANG	1BCAA	10	0	00
FCHO	A.	C131A	DAF	1BCAA	235	150	05
FJHC	A	C131A	DAF	1BCAA	61	39	05
FNDO	A	C131A	DAF	1BCAA	15	10	05
FZZO	A	C131A	DAF	1BCAA	12	8	05
FZZR	A	C131A	DAF	1BCAA	143	92	05
FVVS	A	C131A	DIA	1BCAA	10	6	24
FDYJ	A	C131B	SYT	1BCBA	10	0	00
FMZR	A	C131B	SYT	1BCBA	68	0	00
FZZP	A	C131D	DAF	1BCDA	10	6	05
FZZS	A	C131D	DAF	1BCDA	66	42	05
FFJX	A	VC131H	DAF	1BCHA	60	38	05
FIDP	A	VC131H	DAF	1BCHA	32	20	05
FBSX	A	VC131H	MAC	1BCHA	80	0	00
FBPX	A	VC131H	MAC	1BCHA	51	0	00
FHDT	A	T029A	DAF	1BCJA	116	74	05
FMJS	A	T029B	DAF	1BCLA	857	548	05
FPAO	A	VT029B	AFR	1BCMA	29	0	00
FFTH	A	VT029B	ANG	1BCMA	10	0	00
FJHE	A	VT029B	DAF	1BCMA	33	21	05
FBHU	A	VT029B	DAF	1BCMA	10	6	05
FSHN	A	VT029B	DAF	1BCMA	230	147	05
FSHQ	A	VT029B	DAF	1BCMA	12	8	05
FKLZ	A	VT029B	ANG	1BCMB	68	0	00
FNDP	A	T029C	DAF	1BCNA	435	279	05
FFSH	A	VT029C	DAF	1BCPA	28	18	05
FNKI	A	T029D	ANG	1BCRA	400	0	00
FSHP	A	VT029D	DAF	1BCSA	36	23	05
FVVV	A	VT029D	DIA	1BCSA	10	6	24
FPAY	A	VT029D	SYT	1BCSA	29	0	00
FBSF	A	F005A	FMF	1XJAA	1,633	0	00
FKNI	A	F005B	FMF	1XJCA	0	0	00
FESF	A	F005B	MAP	1XJCA	182	116	25
FGGZ	A	F005B	MAS	1XJCA	42	27	27
FDXJ	A	F005E	DAF	1XJEA	0	0	00
FKON	A	F005E	FMF	1XJEA	1,037	0	00
FBDY	A	F005E	FMF	1XJEA	57	0	00
FUND	A	F005E	FMF	1XJEA	0	0	00
FMWJ	A	F005E	MAP	1XJEA	74	47	25
FHAV	A	F005E	MAS	1XJEA	506	324	27
FDZN	B	F005B	MAS	1XJCA	201	129	27
FFYI	E	C131A	AFR	1BCAB	248	0	00
FFYH	F	C131A	ANG	1BCAB	252	0	00
FHHQ	F	C131A	DAF	1BCAB	42	27	05
FQWM	F	C131A	DAF	1BCAB	6	4	05
FSLY	F	C131A	DAF	1BCAB	1,178	766	05
FFYO	F	C131A	SYT	1BCAB	235	0	00
FHBY	F	C131B	DAF	1BCBB	7	5	05
FSEX	F	C131B	DAF	1BCBB	308	200	05

DPEM AUTOMATED FUNDING ALLOCATION TEST FOR 26 JUN 75

PC	RGC	MDS	CUS	WRS	ALC REQ ($000)	AFLC VAL ($000)	PPIC
FVOD	F	C131D	AFR	1RCDR	11	0	00
FKSS	F	C131D	ANG	1RCDR	21	0	00
FIOM	F	VC131H	DAF	1RCHR	50	33	05
FRUR	F	VC131H	MAC	1RCHR	100	0	00
FFSZ	F	T029A	ANG	1RCJR	22	0	00
FSET	F	T029A	DAF	1RCJR	255	166	05
FFSW	F	T029B	AFR	1RCLR	53	0	00
FFSY	F	VT029B	SYT	1RCMR	11	0	00
FRCP	F	T029C	MAP	1RCNR	21	0	00
FUMU	F	T029C	MAP	1RCNR	53	0	00
FZVI	F	T029C	MAP	1RCNR	75	0	00
FFYK	F	T029C	SYT	1RCNR	11	0	00
FHHO	F	VT029C	DAF	1RCPR	50	33	05
FOWM	F	VT029C	DAF	1RCPR	4	3	05
FHHO	F	F004C	DAF	1RFDR	501	326	02
FOWM	F	F004C	DAF	1RFDR	32	21	02
FHHO	F	F111A	DAF	1RJAR	63	41	01
FOWM	F	F111A	DAF	1RJAR	10	7	01
FHRC	F	C118A	DAF	1DHAR	420	0	00
FHHO	F	C118A	DAF	1DHAR	56	0	00
FOWM	F	C118A	DAF	1DHAR	5	0	00
FSEN	F	C118A	DAF	1DHAR	1,928	0	00
FFSS	F	C118A	SYT	1DHAR	53	0	00
FKZP	F	VC118A	AFR	1DHBR	21	0	00
FHHO	F	T033A	DAF	1LCAR	74	48	07
FOWM	F	T033A	DAF	1LCAR	7	5	07
FHRM	F	C130A	DAF	1LGAR	502	326	06
FHRO	F	C130A	DAF	1LGAR	327	213	06
FOWM	F	C130A	DAF	1LGAR	10	7	06
FHHO	F	AC130A	DAF	1LGDR	1,255	816	06
FNCP	F	AC130A	DAF	1LGDR	1,188	772	06
FNKV	F	AC130A	DAF	1LGDR	1,203	782	06
FMNM	F	C130B	DAF	1LGHR	2,773	1,802	06
FNPW	F	C130B	DAF	1LGHR	3,166	2,058	06
FHRM	F	HC130H	DAF	1LGSR	99	64	06
FHHO	F	HC130H	DAF	1LGSR	9	6	06
FMBR	F	HC130H	DAF	1LGSR	316	205	06
FOWM	F	HC130H	DAF	1LGSR	0	0	06
FNCT	F	C130Y	DAF	1LGYR	495	322	06
FHHP	F	F105D	DAF	1NFDR	99	0	00
FHHO	F	F105G	DAF	1NFGR	12	0	00
FOWM	F	F105G	DAF	1NFGR	3	0	00
FFYI	F	C123B	AFR	1REBR	94	61	20
FSEV	F	C123B	DAF	1REBR	480	312	04
FGXU	F	C123J	ANG	1REJR	6	4	09
FMPG	F	C123J	FWF	1REJR	12	0	00
FGXM	F	C123K	AFR	1REKR	286	186	20
FFYH	F	C123K	ANG	1REKR	57	37	09
FLDH	F	C123K	FWF	1REKR	0	0	00
FNDN	F	C123K	FWF	1REKR	256	0	00

DPEM AUTOMATED FUNDING ALLOCATION TEST FOR 26 JUN 75

PC	RGC	MDS	CUS	MRS	ALC REQ ($000)	AFLC VAL ($000)	PPIC
FTLA	E	C123K	FMF	1REKR	72	0	00
FKPS	F	C123K	MAP	1REKR	107	70	26
FLRA	E	C123K	MAP	1REKR	54	35	26
FSJA	F	C123K	MAP	1REKR	143	93	26
FFYK	F	C123K	SYT	1REKR	11	0	00
FGWL	F	F005A	DAF	1XJAR	39	0	00
FHBM	F	F005A	DAF	1XJAB	24	0	00
FHWX	F	F005A	MAP	1XJAR	59	38	25
FFPK	F	F005B	DAF	1XJCR	227	0	00
FLDI	F	F005B	FMF	1XJCR	172	0	00
FHPN	F	F004F	DAF	1RFGR	18	12	02
FHPN	F	F111A	DAF	1RJAR	10	7	01
FMGR	F	F111A	DAF	1RJAR	18	12	01
FHPG	F	C118A	DAF	1DHAR	2	0	00
FGVI	F	C130E	DAF	1LGNR	64	42	06
FHPI	F	C130E	DAF	1LGNB	2	1	06
FKMP	F	C130E	DAF	1LGNR	8	5	06
FNVU	F	C130E	DAF	1LGNR	64	42	06
FZWC	G	F004C	DAF	1RFDF	52	21.	02
FZWC	G	RF004C	DAF	1RFFF	11	4	02
FZWC	G	F111A	DAF	1RJAF	16	6	01
FZWC	G	C130A	DAF	1LGAF	14	6	06
FZWC	G	WC130B	DAF	1LGJF	1	0	06
FZWC	G	F105D	DAF	1NEDF	4	0	00
FZWC	G	F005B	DAF	1XJCF	0	0	00
FUNN	J	VC131H	DAF	1RCHA	789	305	04
FAST	K	AC131A	AFR	1RCAA	90	45	06
FRFF	L	T029B	ANG	1RCHA	60	33	10

DPEM AUTOMATED FUNDING ALLOCATION TEST FOR 26 JUN 75

PC	RGC	MDS	CUS	WRS	ALC REQ ($000)	AFLC VAL ($000)	PPIC
HTSD	A	F111A	DAF	18JAA	4,189	2,681	01
HTXD	A	F111A	DAF	19JAA	28	18	01
HBCP	A	F111A	SYS	18JAA	5,339	3,417	14
HPKB	A	F111A	SYS	19JAA	8,926	5,713	14
HTSH	A	F111D	DAF	19JDA	1,900	1,216	01
HUMA	A	F111D	DAF	19JDA	35	22	01
HZZA	A	F111D	DAF	19JDA	622	398	01
HTSF	A	F111D	SYS	18JDA	755	483	14
HTSJ	A	F111E	DAF	18JEA	6,926	4,433	01
HUGB	A	F111E	DAF	18JEA	94	60	01
HSUD	A	F111E	SYS	18JEA	4,930	3,155	14
HTSD	A	F111F	DAF	18JFA	3,846	2,461	01
HTSL	A	F111F	SYS	18JFA	1,421	909	14
HBHD	A	T033A	AFR	1LCAA	54	35	23
HBGZ	A	T033A	ANG	1LCAA	97	62	12
HLLB	A	T033A	ANG	1LCAA	552	353	12
HBHF	A	T033A	DAF	1LCAA	482	308	07
HOGN	A	T033A	DAF	1LCAA	293	188	07
HVEC	A	T033A	DAF	1LCAA	904	579	07
HUMO	A	T033A	SYS	1LCAA	66	42	19
HWFZ	A	C130A	FWF	1LGAC	1,500	960	28
HVUN	A	F105B	AFR	1NEBA	524	335	21
HVUO	A	F105B	AFR	1NEBA	197	126	21
HWXO	A	F105B	AFR	1NEBA	80	51	21
HMDC	A	F105B	ANG	1NEBA	90	58	10
HMDJ	A	F105B	ANG	1NEBA	42	27	10
HURC	A	F105B	ANG	1NEBA	148	95	10
HWG6	A	F105D	AFR	1NEDA	897	574	21
HWGD	A	F105D	AFR	1NEDA	197	126	21
HWXB	A	F105D	AFR	1NEDA	222	142	21
HUOY	A	F105D	ANG	1NEDA	310	198	10
HUZD	A	F105D	ANG	1NEDA	275	176	10
HWGF	A	F105D	ANG	1NEDA	374	239	10
HWGH	A	F105D	ANG	1NEDA	98	63	10
HWXS	A	F105F	AFR	1NEFA	25	16	21
HZZB	A	F105F	AFR	1NEFA	99	63	21
HUFF	A	F105F	ANG	1NEFA	487	312	10
HUJA	A	F105F	ANG	1NEFA	56	36	10
HVGA	A	F105F	ANG	1NEFA	88	56	10
HWBF	A	F105G	DAF	1NEGA	1,318	0	00
HWHG	A	F105G	DAF	1NEGA	492	0	00
HZZG	A	F105G	DAF	1NEGA	93	0	00
HRSV	B	F111A	DAF	18JAA	164	105	01
HTOM	B	F111A	DAF	18JAA	5	3	01
HTKJ	B	F111A	DAF	19JAA	4	3	01
HUDF	B	F111A	DAF	18JAA	1,574	1,007	01
HUTC	B	F111A	DAF	18JAA	18	12	01
HSKS	B	F111A	SYS	18JAA	397	254	14
HTKI	B	F111A	SYS	18JAA	2	1	14
HUPU	B	F111A	SYS	18JAA	9	6	14

DPEM AUTOMATED FUNDING ALLOCATION TEST FOR 26 JUN 75

PC	RGC	MDS	CUS	WRS	A/C REQ ($000)	AFLC VAL ($000)	PPIC
JXCD	A	C118A	AFR	1DHAA	0	0	00
JCML	A	C118A	DAF	1DHAA	1,243	0	00
JCSF	A	C118A	DAF	1DHAA	157	0	00
JJXR	A	C118A	DAF	1DHAA	78	0	00
JXJN	A	C118A	DAF	1DHAA	837	0	00
JTSF	A	C118A	MAC	1DHAA	26	0	13
JGWU	A	C130A	AFR	1LGAA	160	0	22
JWLD	A	C130A	AFR	1LGAA	2,236	0	22
JWKR	A	C130A	AFR	1LGAA	522	0	22
JGWV	A	C130A	ANG	1LGAA	160	0	11
JTJN	A	C130A	ANG	1LGAA	610	0	11
JWJK	A	C130A	ANG	1LGAA	1,810	0	11
JMCV	A	C130A	DAF	1LGAA	186	0	06
JMKU	A	C130A	DAF	1LGAA	970	0	06
JTNH	A	C130A	FMF	1LGAA	979	0	28
JXEA	A	C130A	FMF	1LGAA	0	0	28
JJRF	A	C130A	SYS	1LGAA	217	0	18
JDXE	A	AC130A	DAF	1LGDA	1,429	87	06
JUMS	A	AC130A	DAF	1LGDA	206	0	06
JUMT	A	AC130A	DAF	1LGDA	265	0	06
JMIA	A	9C130A	DAF	1LGEA	612	0	06
JDGJ	A	C130B	AFR	1LGHA	1,967	0	22
JRLY	A	C130B	AFR	1LGHA	1,504	0	22
JTJE	A	C130B	AFR	1LGHA	1,076	0	22
JAEX	A	C130B	ANG	1LGHA	439	0	11
JDGK	A	C130B	ANG	1LGHA	328	0	11
JTJF	A	C130B	ANG	1LGHA	214	0	11
JCZT	A	C130B	DAF	1LGHA	303	303	06
JTNC	A	C130B	DAF	1LGHA	305	0	06
JXEN	A	C130B	DAF	1LGHA	206	0	06
JXEO	A	C130B	DAF	1LGHA	263	0	06
JXEP	A	C130B	DAF	1LGHA	267	0	06
JGWG	A	C130B	MAP	1LGHA	300	0	00
JJYG	A	C130B	MAP	1LGHA	0	0	00
JLDS	A	C130D	DAF	1LGLA	458	0	06
JBRD	A	C130E	ANG	1LGNA	179	0	11
JBRG	A	C130E	ANG	1LGNA	375	0	11
JJRG	A	C130E	ANG	1LGNA	110	0	11
JANR	A	C130E	DAF	1LGNA	95	95	06
JCVR	A	C130E	DAF	1LGNA	3,964	3,964	06
JDXI	A	C130E	DAF	1LGNA	1,196	0	06
JDXV	A	C130E	DAF	1LGNA	1,395	0	06
JJRI	A	C130E	DAF	1LGNA	261	0	06
JLDY	A	C130E	DAF	1LGNA	4,999	0	06
JTJC	A	C130E	DAF	1LGNA	473	0	06
JVFT	A	C130E	DAF	1LGNA	156	0	06
JXEO	A	C130E	DAF	1LGNA	1,228	0	06
JJAP	A	HC130P	DAF	1LGRA	150	0	06
JNQR	A	HC130H	AFR	1LGSA	346	0	22
JDXU	A	HC130H	DAF	1LGSA	367	0	06

DPEM AUTOMATED FUNDING ALLOCATION TEST FOR 26 JUN 75

PC	RGC	MDS	CUS	WAS	ALC REQ ($000)	AFLC VAL ($000)	PPIC
JIWY	A	HC130H	DAF	1LGSA	1,737	0	06
JJAA	A	HC130H	DAF	1LGSA	791	0	06
JVFV	A	HC130H	DAF	1LGSA	249	0	06
JCCV	A	C123K	AFR	1REKA	476	0	20
JTIH	A	C123K	AFR	1REKA	681	0	20
JXEY	A	C123K	AFR	1REKA	54	0	20
JZEA	A	C123K	ANG	1REKA	4	0	09
JZEB	A	C123K	DAF	1REKA	0	0	04
JADE	A	C123K	MAP	1REKA	60	0	26
JJXD	A	C123K	MAP	1REKA	230	0	26
JTSS	A	C123K	MAP	1REKA	395	0	26
JXEH	A	C123K	MAP	1REKA	47	0	26
JNOF	B	C130A	ANG	1LGAA	0	0	11
JJFL	B	C130A	DAF	1LGAA	497	0	03
JJKK	B	C130B	DAF	1LGHA	60	0	06
JNUF	B	C130D	SYS	1LGLA	81	0	18
JNOB	B	C130E	AFR	1LGNA	81	0	22
JTHP	B	C130E	DAF	1LGNA	63	0	06
JJKJ	B	C123K	DAF	1REKA	0	0	04
JWWD	B	C123K	DAF	1REKA	1	1	04
JUST	J	VC118A	SYT	1DHAB	75	0	72
JOTT	K	C130E	DAF	1LGNB	69	69	03
JACK	L	C118A	SYT	1DHAB	9	0	75
JHAW	P	F004D	DAF	1BFFD	30	30	02
JJXS	P	C130E	DAF	1LGND	243	0	06

VALIDATION SUMMARY FOR SELECTED WEAPON SYSTEMS

	AIRCRAFT	MISSILE	ENGINE	OMEI	EXCH	A/B/M
REQ	0	0	0	0	0	0
VAL	0	0	0	0	0	0
%	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0
REQ	0	0	0	0	0	0
VAL	0	0	0	0	0	0
%	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0
REQ	38,039	0	11,481	97	69	772
VAL	24,345	0	7,463	38	35	772
%	64	0	65	39	51	100
TOTAL	75	0	23	0	0	2
REQ	0	0	0	0	0	0
VAL	0	0	0	0	0	0
%	0	0	0	0	0	0
TOTAL.	0	0	0	0	0	0
REQ	0	0	0	0	0	0
VAL	0	0	0	0	0	0
%	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0
REQ	81,355	0	22,174	1,450	290	2,788
VAL	52,067	0	14,413	579	146	2,788
%	64	0	65	40	50	100
TOTAL	74	0	21	1	0	4
REQ	44,467	0	11,038	274	110	39

VALIDATION SUMMARY FOR SELECTED WEAPON SYSTEMS

	AIRCRAFT	MISSILE	ENGINE	UMFI	EXCH	A/R/M
VAL	28,459	0	7,176	110	55	39
%	64	0	65	40	50	100
TOTAL	79	0	20	0	0	0
REQ	163,861	0	44,693	1,821	469	3,599
VAL	104,871	0	29,052	727	236	3,599
%	64	0	65	40	50	100
TOTAL	76	0	21	1	0	3

APPENDIX T

THIRD TEST RESULTS OF THE MODEL

DPEM AUTOMATED FUNDING ALLOCATION TEST FOR 26 JUN 75

PC	RCC	MDS	CUS	NHS	ALC REQ ($000)	AFLC VAL ($000)	PPIC
DORK	F	RF004C	DAF	1BFEB	14,613	8,768	02
DHAY	F	F004E	DAF	1BFGB	5,828	3,497	02
DOAL	E	F004E	DAF	1BFGB	1,116	670	02
DJAU	F	F111A	DAF	1BJAB	3,562	2,137	01
DHFY	F	F111D	DAF	1BJDB	1,256	754	01
DJGH	F	F111F	DAF	1BJFB	6,007	3,604	01
DHOV	E	T033A	ANG	1LCAB	119	36	12
DFAD	E	T033A	MAP	1LCAB	31	0	00
DHYX	F	F105D	DAF	1NFDB	975	0	00
DJGF	F	F004D	DAF	1BFFC	32	19	02
DJGG	F	F004D	DAF	1BFFC	34	20	02
DJGI	F	F111A	DAF	1BJAB	112	67	01
DIPY	F	F105D	DAF	1NFDB	56	0	00
DAHC	J	T033A	MAP	1LCAB	20	1	73
DKKA	J	F105D	DAF	1NFDB	33	2	74
DSTS	K	F004E	DAF	1BFGB	55	17	11
DRCF	L	F111D	DAF	1BJDB	110	44	09

DPEM AUTOMATED FUNDING ALLOCATION TEST FOR 26 JUN 75

PC	RCC	MDS -	CUS	WRS	ALC REQ ($000)	AFLC VAL ($000)	PPIC
FARK	A	F004C	ANG	18FDA	552	221	08
FAPH	A	F004C	DAF	18FDA	64	38	02
FRUT	A	F004C	DAF	18FDA	565	339	02
FRSA	A	F004C	DAF	18FDA	734	440	02
FCVA	A	F004C	DAF	18FDA	7,136	4,282	02
FJFM	A	F004C	DAF	18FDA	29	17	02
FKLI	A	F004C	DAF	18FDA	810	486	02
FRMN	A	F004C	DAF	18FDA	2,278	1,367	02
FTHR	A	F004C	DAF	18FDA	110	66	02
ETRC	A	F004C	DAF	18FDA	70	42	02
FGOO	A	F004C	SYS	18FDA	105	32	16
FGOP	A	F004C	SYS	18FDA	15	5	16
FGOQ	A	F004C	SYS	18FDA	214	64	16
FGOR	A	F004C	SYS	18FDA	32	10	16
FGOS	A	F004C	SYS	18FDA	16	5	16
FWBR	A	F004C	SYS	18FDA	1,030	309	16
EKAH	A	RF004C	ANG	18FEA	90	36	08
EWCF	A	RF004C	ANG	18FEA	2,200	880	08
FJFS	A	RF004C	DAF	18FEA	84	50	02
FJPY	A	RF004C	DAF	18FEA	3,498	2,099	02
FMCO	A	RF004C	DAF	18FEA	1,430	858	02
FRMP	A	RF004C	DAF	18FEA	1,296	778	02
FRMX	A	RF004C	DAF	18FEA	345	207	02
FTRM	A	RF004C	DAF	18FEA	106	64	02
FTRT	A	RF004C	DAF	18FEA	125	75	02
FGOJ	A	RF004C	SYS	18FEA	143	43	16
FGOK	A	RF004C	SYS	18FEA	9	3	16
FGOL	A	RF004C	SYS	18FEA	61	18	16
FGOM	A	RF014C	SYS	18FEA	21	6	16
FGON	A	RF004C	SYS	18FEA	5	2	16
FWCA	A	RF004C	SYS	18FEA	1,137	341	16
FAKG	A	F004D	DAF	18FFA	268	161	02
FARI	A	F004D	DAF	18FFA	0	0	02
FLFF	A	F004D	DAF	18FFA	1,407	844	02
FMCT	A	F004D	DAF	18FFA	4,281	2,569	02
FRMO	A	F004D	DAF	18FFA	4,922	2,953	02
FRMW	A	F004D	DAF	18FFA	2,857	1,714	02
ETBD	A	F004D	DAF	18FFA	225	135	02
FTRF	A	F004D	DAF	18FFA	124	74	02
EWHC	A	F004D	MAP	18FFA	632	42	29
FGOW	A	F004D	SYS	18FFA	18	5	16
FGOX	A	F004D	SYS	18FFA	93	28	16
EJMK	A	F004D	SYS	18FFA	677	203	16
FARC	A	F004E	DAF	18FGA	0	0	02
FBBK	A	F004E	DAF	18FGA	3,727	2,236	02
FJFQ	A	F004E	DAF	18FGA	54	32	02
FMCH	A	F004E	DAF	18FGA	20,221	12,133	02
FPOZ	A	F004E	DAF	18FGA	1,821	1,093	02
FRSE	A	F004E	DAF	18FGA	2,061	1,237	02
FTBF	A	F004E	DAF	18FGA	359	215	02

DPEM AUTOMATED FUNDING ALLOCATION TEST FOR 26 JUN 75

PC	RGC	MDS	CUS	WHS	ALC REQ ($000)	AFLC VAL ($000)	PPIC
ETHG	A	F004E	DAF	1BFGA	167	100	02
ETRJ	A	F004E	DAF	1BFGA	371	223	02
ETHK	A	F004E	DAF	1BFGA	436	262	02
EUXC	A	F004E	DAF	1BFGA	2,123	1,274	02
EXHK	A	F004E	DAF	1BFGA	5,556	3,334	02
EGOC	A	F004E	SYS	1BFGA	431	129	16
EGOD	A	F004E	SYS	1BFGA	727	218	16
EGOF	A	F004E	SYS	1BFGA	718	215	16
EGOG	A	F004E	SYS	1BFGA	1,282	385	16
EGOH	A	F004E	SYS	1BFGA	158	47	16
EGOI	A	F004E	SYS	1BFGA	587	176	16
EGAF	B	F004C	DAF	1BFDA	183	110	02
EGAI	B	RF004C	DAF	1BFEA	0	0	02
EGAK	B	RF004C	DAF	1BFEA	0	0	02
EAWA	B	F004D	DAF	1BFFA	184	110	02
EGAF	B	F004D	DAF	1BFFA	0	0	02
EGAG	B	F004D	DAF	1BFFA	0	0	02
EUWB	B	F004D	DAF	1BFFA	175	105	02
EGAH	B	F004E	DAF	1BFGA	0	0	02
ETBL	G	F004C	ANG	1BFDG	72	29	08
ELNR	G	F004C	DAF	1BFDG	243	146	02
ELNS	G	F004C	DAF	1BFDG	196	118	02
EAHN	G	F004C	MAP	1BFDG	66	3	29
[illegible]	[illegible]	[illegible]	DAF	1BFEG	56	34	02
[illegible]	G	RF004C	DAF	1BFEG	34	20	02
ELNO	G	F004D	DAF	1BFFG	406	244	02
ELNO	G	F111A	DAF	1BJAG	224	134	01
ELNR	G	F111E	DAF	1BJEG	34	20	01
ETHM	G	C130B	AFR	1LGHG	26	4	22
ELNO	G	C130E	DAF	1LGNG	56	22	06
EDEO	H	F004C	DAF	1BFDG	314	188	02
EMNY	J	AC131B	SYT	1BCBA	3	0	71
EACK	K	F004D	DAF	1BFFA	235	94	08
EAST	L	AC131D	DAF	1BCDA	45	18	07
EGAJ	M	AC130A	SYT	1LGDB	174	0	00
ECVB	M	HC130H	DAF	1LGSA	360	144	06
EBEA	N	F105D	DAF	1NFDA	206	0	00
EAIN	S	F004C	DAF	1BFDA	2,059	1,235	02
EAIO	S	F004C	DAF	1BFDA	31	19	02
EAIR	S	F004C	DAF	1BFDA	0	0	02
EAIS	S	F004C	DAF	1BFDA	546	328	02
ESAM	S	F004C	DAF	1BFDA	92	55	02
ESAN	S	F004C	DAF	1BFDA	24	14	02
EAIM	S	F004D	SYS	1BFFC	6	2	16
ESAM	S	F111A	DAF	1BJAC	5	3	01
ESAN	S	F111A	DAF	1BJAC	1	1	01
EAIR	S	F105B	DAF	1NFBC	0	0	00
ESAM	S	F105B	DAF	1NFBC	8	0	00
ESAN	S	F105B	DAF	1NFBC	2	0	00

DPEM AUTOMATED FUNDING ALLOCATION TEST FOR 26 JUN 75

PC	RGC	MDS	CUS	WHS	ALC REQ ($000)	AFLC VAL ($000)	PPIC
FDZP	A	C131A	AFR	18CAA	34	0	00
FTIA	A	C131A	ANG	18CAA	10	0	00
FCHO	A	C131A	DAF	18CAA	235	94	05
FJHC	A	C131A	DAF	18CAA	61	24	05
FNDO	A	C131A	DAF	18CAA	15	6	05
FZZO	A	C131A	DAF	18CAA	12	5	05
FZZR	A	C131A	DAF	18CAA	143	57	05
FVVS	A	C131A	DIA	18CAA	10	1	24
FDYJ	A	C131B	SYT	18CBA	10	0	00
FMZP	A	C131B	SYT	18CBA	68	0	00
FZZP	A	C131D	DAF	18CDA	10	4	05
FZZS	A	C131D	DAF	18CDA	66	26	05
FFJX	A	VC131H	DAF	18CHA	60	24	05
FIDP	A	VC131H	DAF	18CHA	32	13	05
FRSX	A	VC131H	MAC	18CHA	80	0	00
FRPX	A	VC131H	MAC	18CHA	51	0	00
FNDT	A	T029A	DAF	18CJA	116	46	05
FMJS	A	T029B	DAF	18CLA	857	343	05
FPAO	A	VT029B	AFR	18CMA	29	0	00
FFTH	A	VT029B	ANG	18CMA	10	0	00
FJHE	A	VT029B	DAF	18CMA	33	13	05
FRRU	A	VT029B	DAF	18CMA	10	4	05
FSHN	A	VT029B	DAF	18CMA	230	92	05
FSHO	A	VT029B	DAF	18CMA	12	5	05
FXLZ	A	VT029B	ANG	18CMB	68	0	00
FNDP	A	T029C	DAF	18CNA	435	174	05
FFSH	A	VT029C	DAF	18CPA	28	11	05
FNKI	A	T029D	ANG	18CPA	400	0	00
FSHP	A	VT029D	DAF	18CSA	36	14	05
FVVV	A	VT029D	DIA	18CSA	10	1	24
FPAY	A	VT029D	SYT	18CSA	29	0	00
FRSF	A	F005A	FMF	1XJAA	1,633	0	00
FKNI	A	F005B	FMF	1XJCA	0	0	00
FFSF	A	F005B	MAP	1XJCA	182	18	25
FGGZ	A	F005B	MAS	1XJCA	42	2	27
FDXJ	A	F005F	DAF	1XJFA	0	0	00
FKQN	A	F005E	FMF	1XJEA	1,037	0	00
FRDY	A	F005E	FMF	1XJEA	57	0	00
FUND	A	F005E	FMF	1XJEA	0	0	00
FMWJ	A	F005F	MAP	1XJFA	74	7	25
FHAV	A	F005E	MAS	1XJEA	506	25	27
FDZN	B	F005H	MAS	1XJCA	201	10	27
FFYI	E	C131A	AFR	18CAB	248	0	00
FFYH	E	C131A	ANG	18CAB	252	0	00
FHHO	E	C131A	DAF	18CAB	42	17	05
FOWM	E	C131A	DAF	18CAB	6	2	05
FSEV	E	C131A	DAF	18CAB	1,178	471	05
FFYO	E	C131A	SYT	18CAB	235	0	00
FHBY	E	C131B	DAF	18CBB	7	3	05
FSEX	E	C131B	DAF	18CBB	308	123	05

DPEM AUTOMATED FUNDING ALLOCATION TEST FOR 26 JUN 75

PC	RGC	MDS	CUS	WHS	ALC REQ ($000)	AFLC VAL ($000)	PPIC
FVOD	F	C131D	AFR	1RCDR	11	0	00
FKSS	F	C131D	ANG	1RCDR	21	0	00
FIDM	F	VC131H	DAF	1RCHR	50	20	05
FRUB	F	VC131H	MAC	1RCHR	100	0	00
FFSZ	F	T029A	ANG	1RCJR	22	0	00
FSFT	F	T029A	DAF	1RCJR	255	102	05
FFSW	F	T029B	AFR	1RCLR	53	0	00
FFSY	F	VT029B	SYT	1RCMR	11	0	00
FRCP	F	T029C	MAP	1RCNR	21	0	00
FUMU	F	T029C	MAP	1RCNR	53	0	00
FZVI	F	T029C	MAP	1RCNR	75	0	00
FFYK	F	T029C	SYT	1RCNR	11	0	00
FHRQ	F	VT029C	DAF	1RCPR	50	20	05
FOWM	F	VT029C	DAF	1RCPR	4	2	05
FHBD	F	F004C	DAF	1RFDR	501	301	02
FOWM	F	F004C	DAF	1RFDR	32	19	02
FHBD	F	F111A	DAF	1RJAR	63	38	01
FOWM	F	F111A	DAF	1RJAR	10	6	01
FHRC	F	C118A	DAF	1DHAR	420	0	00
FHRD	F	C118A	DAF	1DHAR	56	0	00
FOWM	F	C118A	DAF	1DHAR	5	0	00
FSEN	F	C118A	DAF	1DHAR	1,928	0	00
FFSS	F	C118A	SYT	1DHAR	53	0	00
[illegible]	F	VC118A	AFR	1DHAR	21	0	00
FHHO	F	T033A	DAF	1LCAR	74	30	07
FOWM	F	T033A	DAF	1LCAR	7	3	07
FHBM	F	C130A	DAF	1LGAR	502	201	06
FHRD	F	C130A	DAF	1LGAR	327	131	06
FOWM	F	C130A	DAF	1LGAR	10	4	06
FHBD	F	AC130A	DAF	1LGDR	1,255	502	06
FNCR	F	AC130A	DAF	1LGDR	1,188	475	06
FNRV	F	AC130A	DAF	1LGDR	1,203	481	06
FMNM	F	C130B	DAF	1LGHR	2,773	1,109	06
FNRW	F	C130B	DAF	1LGHR	3,166	1,266	06
FHHM	F	HC130H	DAF	1LGSR	99	40	06
FHRG	F	HC130H	DAF	1LGSR	9	4	06
FMGR	F	HC130H	DAF	1LGSR	316	126	06
FOWM	F	HC130H	DAF	1LGSR	0	0	06
FNCT	F	C130Y	DAF	1LGYR	495	198	06
FHHM	F	F105D	DAF	1NFDR	99	0	00
FHHO	F	F105G	DAF	1NFGR	12	0	00
FOWM	F	F105G	DAF	1NFGR	3	0	00
FFYI	F	C123B	AFR	1RFBR	94	19	20
FSEV	F	C123B	DAF	1RFBR	480	288	04
FGXH	F	C123J	ANG	1RFJR	6	2	09
FMPG	F	C123J	FWF	1RFJR	12	0	00
FGXM	F	C123K	AFR	1RFKR	296	57	20
FFYH	F	C123K	ANG	1RFKR	57	23	09
FLUH	F	C123K	FWF	1RFKR	0	0	00
FNDN	F	C123K	FWF	1RFKR	256	0	00

DPEM AUTOMATED FUNDING ALLOCATION TEST FOR 26 JUN 75

PC	RCC	MDS	CUS	WHS	ALC REQ ($000)	AFLC VAL ($000)	PPIC
FTLA	E	C123K	FWF	1REKB	72	0	00
FKPS	E	C123K	MAP	1REKB	107	5	26
FLHA	F	C123K	MAP	1REKB	54	3	26
FSJA	E	C123K	MAP	1REKB	143	7	26
FFYK	E	C123K	SYT	1REKB	11	0	00
FGWL	F	F005A	DAF	1XJAB	39	0	00
FHRM	F	F005A	DAF	1XJAB	24	0	00
FHWX	E	F005A	MAP	1XJAB	59	6	25
FFPK	F	F005B	DAF	1XJCB	227	0	00
FLDI	E	F005B	FWF	1XJCB	172	0	00
F4PN	F	F004E	DAF	1BFGB	18	11	02
F4PN	F	F111A	DAF	1RJAB	10	6	01
FMGR	F	F111A	DAF	1RJAB	16	11	01
FHF3	F	C118A	DAF	1DHAB	2	0	00
FGVI	F	C130E	DAF	1LGNB	64	26	06
FHPI	F	C130E	DAF	1LGNB	2	1	06
FKMP	F	C130E	DAF	1LGNB	8	3	06
FNVU	F	C130E	DAF	1LGNB	64	26	06
FZWC	G	F004C	DAF	1RFDF	52	31	02
FZWC	G	YF004C	DAF	1RFEF	11	7	02
FZWC	G	F111A	DAF	1RJAF	16	10	01
FZWC	G	C130A	DAF	1LGAF	14	6	06
FZWC	G	WC130B	DAF	1LGJF	1	0	06
FZWC	G	F105D	DAF	1NFDF	4	0	00
FZWC	G	F005B	DAF	1XJCF	0	0	00
FUNN	J	VC131H	DAF	1BCHA	789	473	04
FAST	K	AC131A	AFP	1BCAA	90	36	06
FREE	L	T029B	ANG	1BCHA	66	20	10

OPEN AUTOMATED FUNDING ALLOCATION TEST FOR 26 JUN 75

PC	RGC	MDS	CUS	MAS	ALC REQ ($000)	AFLC VAL ($000)	PPIC
HTSD	A	F111A	DAF	18JAA	4,189	2,513	01
HTXD	A	F111A	DAF	18JAA	28	17	01
HACP	A	F111A	SYS	18JAA	5,339	1,602	14
HPRR	A	F111A	SYS	18JAA	8,926	2,678	14
HTSH	A	F111D	DAF	18JDA	1,900	1,140	01
HUHA	A	F111D	DAF	18JDA	35	21	01
HZZA	A	F111D	DAF	18JDA	622	373	01
HTSF	A	F111D	SYS	18JDA	755	227	14
HTSJ	A	F111E	DAF	18JEA	6,926	4,156	01
HUHR	A	F111E	DAF	18JEA	94	56	01
HSUO	A	F111E	SYS	18JEA	4,930	1,479	14
HTSD	A	F111F	DAF	18JFA	3,846	2,308	01
HTSL	A	F111F	SYS	18JFA	1,421	426	14
HRGD	A	T033A	AFR	1LCAA	54	8	23
HRGZ	A	T033A	ANG	1LCAA	97	29	12
HLLR	A	T033A	ANG	1LCAA	552	166	12
HRUE	A	T033A	DAF	1LCAA	482	193	07
HOGN	A	T033A	DAF	1LCAA	293	117	07
HVFC	A	T033A	DAF	1LCAA	904	362	07
HUMO	A	T033A	SYS	1LCAA	66	13	19
HWFZ	A	C130A	FWF	1LGAC	1,500	75	20
HVUN	A	F105B	AFR	1NFBA	524	79	21
HVUO	A	F105B	AFR	1NFBA	197	30	21
HWXO	A	F105B	AFR	1NFBA	80	12	21
HMUC	A	F105B	ANG	1NFBA	90	27	10
HMHJ	A	F105B	ANG	1NFBA	42	13	10
HUMC	A	F105B	ANG	1NFBA	148	44	10
HWGA	A	F105D	AFR	1NFDA	807	135	21
HWGD	A	F105D	AFR	1NFDA	197	30	21
HWX9	A	F105D	AFR	1NFDA	222	33	21
HUDY	A	F105D	ANG	1NFDA	310	93	10
HUZD	A	F105D	ANG	1NFDA	275	83	10
HWGF	A	F105D	ANG	1NFDA	374	112	10
HWGH	A	F105D	ANG	1NFDA	98	29	10
HWXS	A	F105F	AFR	1NFFA	25	4	21
HZZR	A	F105F	AFR	1NFFA	99	15	21
HUFF	A	F105F	ANG	1NFFA	487	146	10
HUUA	A	F105F	ANG	1NFFA	56	17	10
HVGA	A	F105F	ANG	1NFFA	88	26	10
HWRF	A	F105G	DAF	1NFGA	1,318	0	09
HWRG	A	F105G	DAF	1NFGA	492	0	00
HZZG	A	F105G	DAF	1NFGA	93	0	00
HRSV	B	F111A	DAF	18JAA	164	98	01
HTUM	B	F111A	DAF	18JAA	5	3	01
HTRJ	B	F111A	DAF	18JAA	4	2	01
HUUE	B	F111A	DAF	18JAA	1,574	944	01
HUTC	B	F111A	DAF	18JAA	18	11	01
HSKS	B	F111A	SYS	18JAA	397	119	14
HTRI	B	F111A	SYS	18JAA	2	1	14
HUPU	B	F111A	SYS	18JAA	5	3	14

DPEM AUTOMATED FUNDING ALLOCATION TEST FOR 26 JUN 75

PC	RGC	MDS	CUS	MRS	ALC REQ ($000)	AFLC VAL ($000)	PPIC
HTSF	R	F111D	SYS	1RJDA	1,818	545	14
HTSI	R	F111E	SYS	1RJEA	847	254	14
HTSM	R	F111F	SYS	1RJFA	618	185	14
HPSV	R	T033A	DAF	1LCAA	62	25	07
HTKN	R	T033A	DAF	1LCAA	2	1	07
HUUW	R	T033A	DAF	1LCAA	5	2	07
HVUI	R	F105D	AFR	1NFDA	37	6	21
HVUJ	R	F105D	AFR	1NFDA	9	1	21
HUHH	R	F105D	ANG	1NFDA	4	1	10
HVUK	R	F105D	ANG	1NFDA	37	11	10
HPSV	R	F105D	DAF	1NFDA	164	0	00
HTAL	R	F105D	DAF	1NFDA	75	0	00
HTUM	R	F105D	DAF	1NFDA	2	0	00
HTSV	R	F105D	DAF	1NFDA	319	0	00
HWHH	R	F105G	DAF	1NFGA	218	0	00
HAND	J	C131A	DIA	1BCAA	54	22	05
HEML	K	VT029D	DIA	1BCSA	88	4	01
HAND	K	F005B	MAS	1XJCA	618	371	02
HAPY	L	F005B	FWF	1XJCA	23	14	01
HTEH	R	F111A	DAF	1RJAA	16	10	01
HRSU	P	F111D	DAF	1RJDA	1	1	01
HTYA	P	F111D	SYS	1RJDG	2	1	14
HUPI	P	C130B	SYT	1LGHG	41	0	00
HRSU	P	F105D	DAF	1NFDA	1	0	00
HBHH	S	F111D	DAF	1RJDA	4	2	01
HTYG	S	F111D	DAF	1RJDA	10	6	01
HWFN	S	C130A	FWF	1LGAC	1	0	28
HWFO	S	C130A	FWF	1LGAC	60	3	28
HWFP	S	C130A	FWF	1LGAC	2	0	28
HWFQ	S	C130A	FWF	1LGAC	9	0	28
HWFS	S	C130A	FWF	1LGAC	11	1	28
HWFU	S	C130A	FWF	1LGAC	9	0	28
HWFV	S	C130A	FWF	1LGAC	2	0	28
HWFW	S	C130A	FWF	1LGAC	44	2	28
HWFX	S	C130A	FWF	1LGAC	1	0	28
HWFY	S	C130A	FWF	1LGAC	30	2	28
HBHH	S	F105D	DAF	1NFDA	4	0	00
HTYD	S	F105D	DAF	1NFDA	10	0	00

OPEN AUTOMATED FUNDING ALLOCATION TEST FOR 26 JUN 75

PC	PCC	MDS	CUS	WBS	ALC REQ ($000)	AFLC VAL ($000)	PPIC
JXCD	A	C118A	AFR	1DHAA	0	0	00
JCML	A	C118A	DAF	1DHAA	1,243	0	00
JCSF	A	C118A	DAF	1DHAA	157	0	00
JJXB	A	C118A	DAF	1DHAA	78	0	00
JXJN	A	C118A	DAF	1DHAA	837	0	00
JTSF	A	C118A	MAC	1DHAA	26	8	13
JGWU	A	C130A	AFR	1LGAA	160	24	22
JWLD	A	C130A	AFR	1LGAA	2,236	335	22
JWWR	A	C130A	AFR	1LGAA	522	78	22
JGHV	A	C130A	ANG	1LGAA	160	48	11
JTJM	A	C130A	ANG	1LGAA	610	183	11
JWJK	A	C130A	ANG	1LGAA	1,810	543	11
JMCV	A	C130A	DAF	1LGAA	186	74	06
JMKU	A	C130A	DAF	1LGAA	970	388	06
JTNM	A	C130A	FWF	1LGAA	979	49	28
JXFA	A	C130A	FWF	1LGAA	0	0	28
JJWF	A	C130A	SYS	1LGAA	217	43	18
JDXE	A	AC130A	DAF	1LGDA	1,429	572	06
JUMS	A	AC130A	DAF	1LGDA	206	82	0[illegible]
JUMT	A	AC130A	DAF	1LGDA	245	106	0[illegible]
JMIA	A	RC130A	DAF	1LGEA	612	245	06
JDGJ	A	C130B	AFR	1LGHA	1,967	295	22
JRLY	A	C130B	AFR	1LGHA	1,504	226	22
JTJE	A	C130B	AFR	1LGHA	1,070	161	22
JAEW	A	C130B	ANG	1LGHA	439	132	11
[illegible]	A	C130B	ANG	1LGHA	[illegible]	98	11
JTJF	A	C130B	ANG	1LGHA	214	64	11
JCZT	A	C130B	DAF	1LGHA	303	121	06
JTWC	A	C130B	DAF	1LGHA	305	122	06
JKEN	A	C130B	DAF	1LGHA	206	82	06
JXFO	A	C130B	DAF	1LGHA	263	105	06
JXEP	A	C130B	DAF	1LGHA	267	107	06
JGWG	A	C130B	MAP	1LGHA	300	0	00
JJYG	A	C130B	MAP	1LGHA	0	0	00
JLDS	A	C130D	DAF	1LGLA	458	183	06
JRKD	A	C130E	ANG	1LGNA	179	54	11
JRRG	A	C130E	ANG	1LGNA	375	113	11
JJWG	A	C130E	ANG	1LGNA	110	33	11
JANR	A	C130E	DAF	1LGNA	95	38	06
JCVR	A	C130E	DAF	1LGNA	3,964	1,586	06
JDXI	A	C130E	DAF	1LGNA	1,196	478	06
JRXV	A	C130E	DAF	1LGNA	1,395	558	06
JJKI	A	C130E	DAF	1LGNA	261	104	06
JLDY	A	C130E	DAF	1LGNA	4,999	2,000	06
JTJC	A	C130E	DAF	1LGNA	473	189	06
JVFT	A	C130E	DAF	1LGNA	156	62	06
JXFO	A	C130E	DAF	1LGNA	1,228	491	06
JJAP	A	WC130E	DAF	1LGRA	15[illegible]	60	06
JNQR	A	HC130H	AFR	1LGSA	346	52	22
JDXU	A	HC130H	DAF	1LGSA	367	147	06

DPEM AUTOMATED FUNDING ALLOCATION TEST FOR 26 JUN 75

PC	RGC	MDS	CUS	WBS	ALC REQ ($000)	AFLC VAL ($000)	PPIC
JIWY	A	HC130H	DAF	1LGSA	1,737	695	06
JJAA	A	HC130H	DAF	1LGSA	791	316	06
JVFV	A	HC130H	DAF	1LGSA	249	100	06
JSCV	A	C123K	AFR	1REKA	476	95	28
JTIH	A	C123K	AFR	1REKA	681	136	20
JXEY	A	C123K	AFR	1REKA	54	11	20
JZEA	A	C123K	ANG	1REKA	4	2	09
JZEP	A	C123K	DAF	1REKA	0	0	04
JADF	A	C123K	MAP	1REKA	60	3	26
JJXQ	A	C123K	MAP	1REKA	230	12	26
JTSS	A	C123K	MAP	1REKA	395	20	26
JXEH	A	C123K	MAP	1REKA	47	2	26
JNOE	B	C130A	ANG	1LGAA	0	0	11
JJKL	B	C130A	DAF	1LGAA	497	199	06
JJAK	B	C130B	DAF	1LGHA	60	24	06
JNGF	B	C130D	SYS	1LGLA	81	16	18
JHQH	H	C130E	AFR	1LGNA	81	12	22
JTHP	H	C130E	DAF	1LGNA	63	25	06
JJ I	H	C123K	DAF	1REKA	0	0	04
JW D	H	C123K	DAF	1REKA	1	1	04
JUST	J	VC118A	SYT	1DHRB	75	4	72
JOTT	K	C130E	DAF	1LGNH	69	41	03
JACK	L	C118A	SYT	1DHAB	0	0	75
JHAW	R	F004D	DAF	1RFFD	30	18	02
JJAS	[illegible]	C130E	DAF	1LGND	243	97	06

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